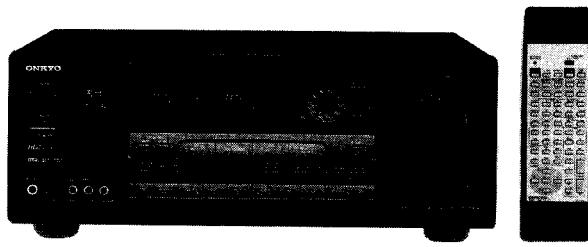


ONKYO® SERVICE MANUAL

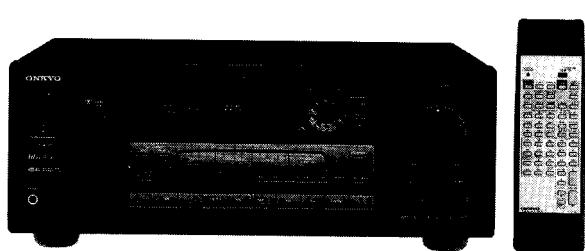
AV DIGITAL AMPLIFIER MODEL TX-DS656



Black and Golden models

BMD	120V AC, 60Hz
BMP, BMPT, BMPA, GMPT	230-240V AC 50Hz
BMW, BMWR, GMWT, GMWR	120/220V AC, 50/60Hz

AV DIGITAL AMPLIFIER MODEL TX-DS555



Black, Silver, and Golden models

BMD	120V AC, 60Hz
BMP, BMPT, BMPA, SMP, GMPT	230-240V AC 50Hz
BMW, BMWR, GMWT, GMWR	120/220V AC, 50/60Hz

SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY MARK Δ ON THE SCHEMATIC DIAGRAM AND IN THE PARTS LIST ARE CRITICAL FOR RISK OF FIRE AND ELECTRIC SHOCK. REPLACE THESE COMPONENTS WITH ONKYO PARTS WHOSE PARTS NUMBERS APPEAR AS SHOWN IN THIS MANUAL.

MAKE LEAKAGE-CURRENT OR RESISTANCE MEASUREMENTS TO DETERMINE THAT EXPOSED PARTS ARE ACCEPTABLY INSULATED FROM THE SUPPLY CIRCUIT BEFORE RETURNING THE APPLIANCE TO THE CUSTOMER.

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**ONKYO®
AUDIO COMPONENTS**

SPECIFICATIONS

AMPLIFIER SECTION

Continuous Average Power output (FTC)

Front Main L/R channels:

85 watts per channel min. RMS at 8 ohms, both channels driven from 20Hz to 20kHz with no more than 0.08% total harmonic distortion.

Center channel:

85 watts min. RMS at 8 ohms, driven from 20Hz to 20kHz with no more than 0.08% total harmonic distortion.

Surround L/R channels:

85 watts per channel min. RMS at 8 ohms, both channels driven from 20Hz to 20kHz with no more than 0.08% total harmonic distortion.

Front Remote L/R channels:

85 watts per channel min. RMS at 8 ohms, both channels driven from 20Hz to 20kHz with no more than 0.08% total harmonic distortion.

Continuous Power output (DIN)

Front Main L/R channels: 115W × 2 at 6 ohms

Center channel: 115W at 6 ohms

Surround L/R channels: 115W × 2 at 6 ohms

Front Remote L/R channels: 115W × 2 at 6 ohms

Maximum Power output (EIAJ)

Front Main L/R channels: 145W × 2 at 6 ohms

Center channel: 145W at 6 ohms

Surround L/R channels: 145W × 2 at 6 ohms

Front Remote L/R channels: 145W × 2 at 6 ohms

IM Distortion: 0.08% at rated power (FRONT)

Damping Factor: 60 at 8 ohms (FRONT)

Input Sensitivity/Impedance

PHONO : 2.5mV, 50 kohms

LINE (CD, TAPE-1, 2, DVD,VIDEO-1, 2, 3) : 200mV, 50 kohms

DIGITAL-2, 3 (COAXIAL) : 0.5 Vp-p, 75 ohms

Output Level and Impedance

Rec out (TAPE-1, 2,VIDEO-1, 2) : 200mV, 2.2 kohms

Pre out (FRONT L/R,CENTER,SURROUND L/R) : 1 V, 560 ohms

(SUBWOOFER) : 1 V, 2.2 kohms

Phono Overload: 120 μV RMS at 1,000 Hz, 0.5% THD.

Frequency Response: 20 to 30,000 Hz, +/-1 dB (STEREO)

RIAA Deviation: 20 to 20,000 Hz, +/-0.8 dB

Tone Control: BASS: +/-10 dB at 50 Hz

TREBLE: +/-10 dB at 10,000 Hz

Signal to Noise Ratio: PHONO: 80 dB (IHF A, 5 μV input)

CD/TAPE: 100 dB (IHF A)

VIDEO SECTION

Television Format: NTSC (U.S. and Canadian models)

NTSC/PAL (Other models)

Input Sensitivity/Impedance

DVD, VIDEO-1,2,3 (Composite):

1 Vp-p/75 ohms

S-VIDEO (Y signal):

1 Vp-p/75 ohms

S-VIDEO (C signal):

0.28 Vp-p/75 ohms

Output Level/Impedance

VIDEO (VIDEO-1,2,MONI) (Composite):

1 Vp-p/75 ohms

S-VIDEO (Y signal):

1 Vp-p/75 ohms

S-VIDEO (C signal):

0.28 Vp-p/75 ohms

TUNER SECTION

FM:

Tuning Range: 87.5 MHz to 108.0 MHz (50 kHz steps)

Usable Sensitivity: Mono: 11.2 dBf, 1.0 μV (75 ohms)

0.9 μV / 75 ohm DIN

Stereo: 17.2 dBf, 2.0 μV (75 ohms)

23 μV / 75 ohm DIN

50dB Quieting Sensitivity: Mono: 17.2 dBf, 2.0 μV (75 ohms)

Stereo: 37.2 dBf, 20 μV (75 ohms)

Capture Ratio: 1.5 dB

Image Rejection Ratio: U.S. & Canadian models: 40 dB

Other area models: 85 dB

IF Rejection Ratio: 90 dB

Signal-to-Noise Ratio: Mono: 76 dB

Stereo: 70 dB

Alternate Channel Attenuation: 55 dB, 50 dB (DIN)

AM Suppression Ratio: 50 dB

Total Harmonic Distortion: Mono: 0.15%

Stereo: 0.25%

Frequency Response: 30 ~ 15,000 Hz +/-1.0 dB

Stereo Separation: 45 dB at 1 kHz/30 dB at 100 ~ 10,000 Hz

Muting Level: 17.2 dBf, 2.0 μV (75 ohms)

AM:

Tuning Range: European models

522 kHz ~ 1611 kHz (9 kHz steps)

U.S. & Canadian models

530 kHz ~ 1710 kHz (10 kHz steps)

Worldwide model

531 kHz ~ 1602 kHz (9 kHz steps)

530 kHz ~ 1710 kHz (10 kHz steps)

Usable Sensitivity: 30 μV

Image Rejection Ratio: 40 dB

IF Rejection Ratio: 40 dB

Signal-to-Noise Ratio: 40 dB

Total Harmonic Distortion: 0.7%

GENERAL

Power Supply: AC 120 V, 60 Hz

AC 230 V, 50 Hz

AC 120 and 220-230 V switchable, 50/60 Hz

Power Consumption: US and Canadian models: 4.8 A

Other area models: 460 W

Dimensions (W × H × D): 435 × 175 × 390 mm

17-1/8" × 6-7/8" × 15-3/8"

Weight: 12.0 kg (26.5 lbs) (AC 120 V, 60 Hz model)

12.9 kg (28.4 lbs) (Other models)

Specifications and features are subject to change without notice.

SPECIFICATIONS

AMPLIFIER SECTION

Power Outputs

Continuous Average Power output (FTC)

Front Main L/R channels:

70 watts per channel min. RMS at 8 ohms, both channels driven from 20Hz to 20kHz with no more than 0.08% total harmonic distortion.

Center channel:

70 watts min. RMS at 8 ohms, driven from 20Hz to 20kHz with no more than 0.08% total harmonic distortion.

Surround L/R channels:

70 watts per channel min. RMS at 8 ohms, both channels driven from 20Hz to 20kHz with no more than 0.08% total harmonic distortion.

Continuous Power output (DIN)

Front Main L/R channels: 100W×2 at 6 ohms

Center channel: 100W at 6 ohms

Surround L/R channels: 100W×2 at 6 ohms

Front Remote L/R channels: 100W×2 at 6 ohms

Maximum Power output (EIAJ)

Front Main L/R channels: 130W×2 at 6 ohms

Center channel: 130W at 6 ohms

Surround L/R channels: 130W×2 at 6 ohms

Front Remote L/R channels: 130W×2 at 6 ohms

IM Distortion:

0.08% at rated power (Front)

Damping Factor:

60 at 8 ohms

Input Sensitivity/Impedance

PHONO: 2.5 mV/20 kohms

CD/TAPE1,2/VIDEO1,2,DVD: 200 mV/50 kohms

MULTICHANNEL INPUT

(FRONT L/R, SURROUND

L/R, CENTER): 200 mV/50 kohms

MULTICHANNEL INPUT

(SUBWOOFER): 36mV/50 kohms

Output Level/Impedance

REC OUT: 200mV/2.2 kohms

PRE OUT: 1V/2.2 kohms

Phono Overload:

120mV RMS at 1 kHz, 0.5% T.H.D

Frequency Response:

20Hz to 30kHz,±1dB (Surround OFF)

RIAA Deviation:

20Hz to 20kHz,±0.8 dB

Tone control

Bass: ±10 dB at 50 Hz

Treble: ±10 dB at 10 kHz

Signal-to-Noise Ratio

(Surround OFF)

Phono: 80dB (IHF A, 5mV input)

CD/Tape: 100dB (IHF A)

Muting:

-∞ dB

VIDEO SECTION

Input Sensitivity and Impedance

Video Composite): 1Vp-p/75 ohms

Output Level and Impedance

Video (Composite): 1Vp-p/75 ohms

DIGITAL SECTION

Digital input sampling

Frequency: 32, 44.1, 48 kHz

Input sensitivity/Impedance

Coaxial: 0.5 Vp-p/75 ohms

TUNER SECTION

FM

Tuning Range: 87.50-108.00 MHz (50 kHz steps)

Usable sensitivity

Mono: 11.2dBf, 1.0 μ V (75 ohms)

Stereo: 17.2dBf, 2.0 μ V (75 ohms)

50 dB Quieting Sensitivity

Mono: 17.2dBf, 2.0 μ V (75 ohms)

Stereo: 37.2dBf, 20 μ V (75 ohms)

Capture Ratio:

1.5 dB

Image Rejection Ratio

U.S. & Canadian models: 40dB

Other area models: 85 dB

IF Rejection Ratio:

90 dB

Signal-to- Noise Ratio

Mono: 76 dB

Stereo: 70 dB

Alternate Channel Attenuation:

55 dB

Selectivity:

50 dB (DIN)

AM Suppression Ratio:

50 dB

Total Harmonic Distortion

0.15%

Stereo: 0.25%

Frequency Response:

30-15kHz,±1.0dB

Stereo Separation:

45 dB at 1 kHz

30 dB at 100 Hz to 10 kHz

Muting Level:

17.2 dBf

AM

Tuning Range

U.S. & Canadian models: 530-1,710 kHz (10 kHz steps)

European & Australian models: 522-1,611 kHz (9 Hz steps)

Worldwide models: 531-1,602 kHz (9kHz steps)

530-1,710 kHz (10 kHz steps)

Usable sensitivity:

30 μ V

Image Rejection Ratio:

40 dB

IF Rejection Ratio:

40 dB

Signal-to- Noise Ratio:

40 dB

Total Harmonic Distortion:

0.70%

GENERAL

Power supply

AC120V, 60 Hz

AC230V, 50 Hz

AC 220-230V and 120 V switchable,
50/60 Hz

Power Consumption

4.1A

410 W

Dimensions (W×H×D):

435 X 175 X 390 mm

17-1/8" X 6-7/8" X 15-3/8"

Weight:

11.7 kg, 25.8 lbs.

Other area models:

12.0 kg, 26.5 lbs.

REMOTE CONTROL(RC-374M)

Transmitter:

Infrared

Signal range:

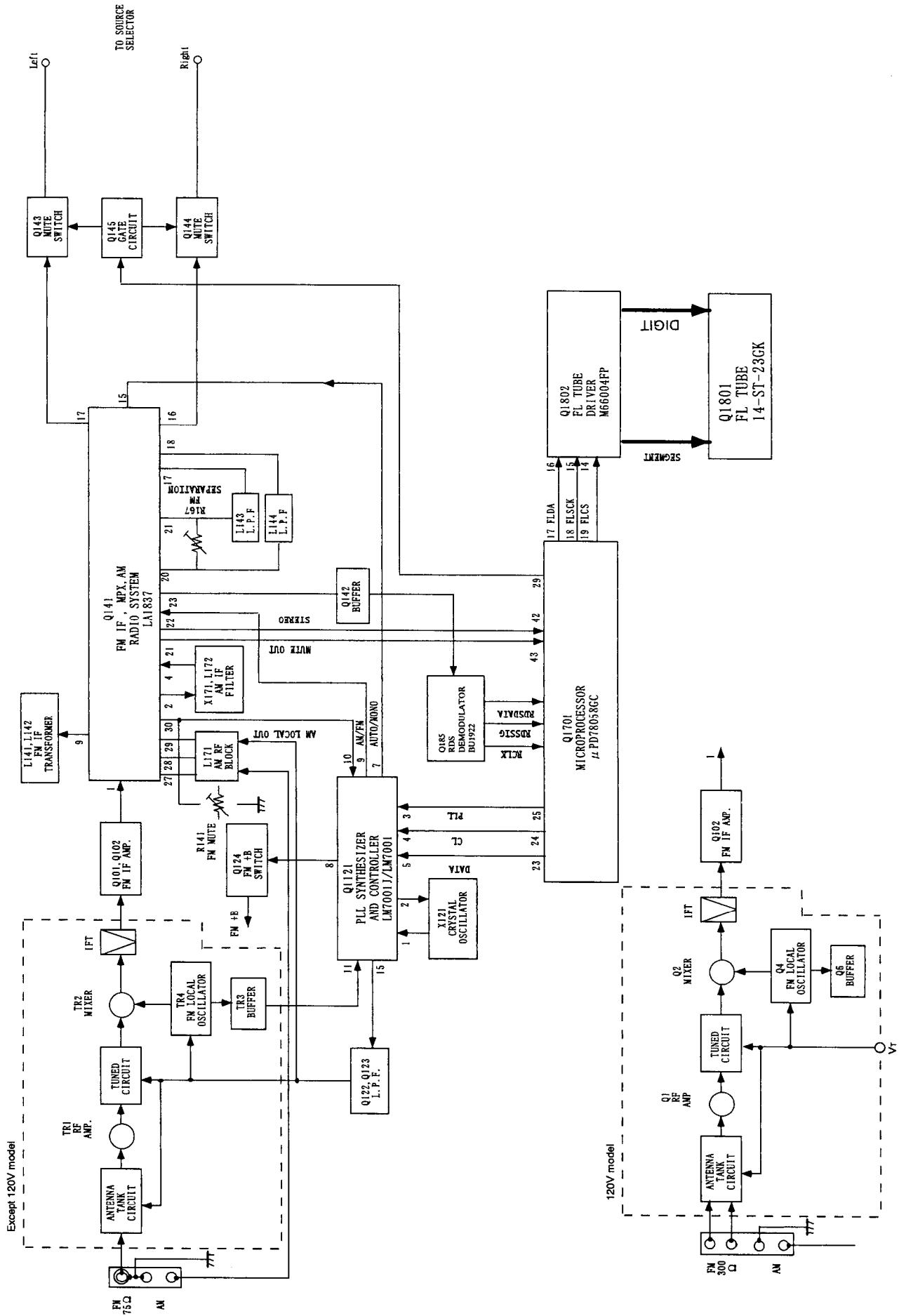
Approx. 5 meters, 16 ft.

Power supply:

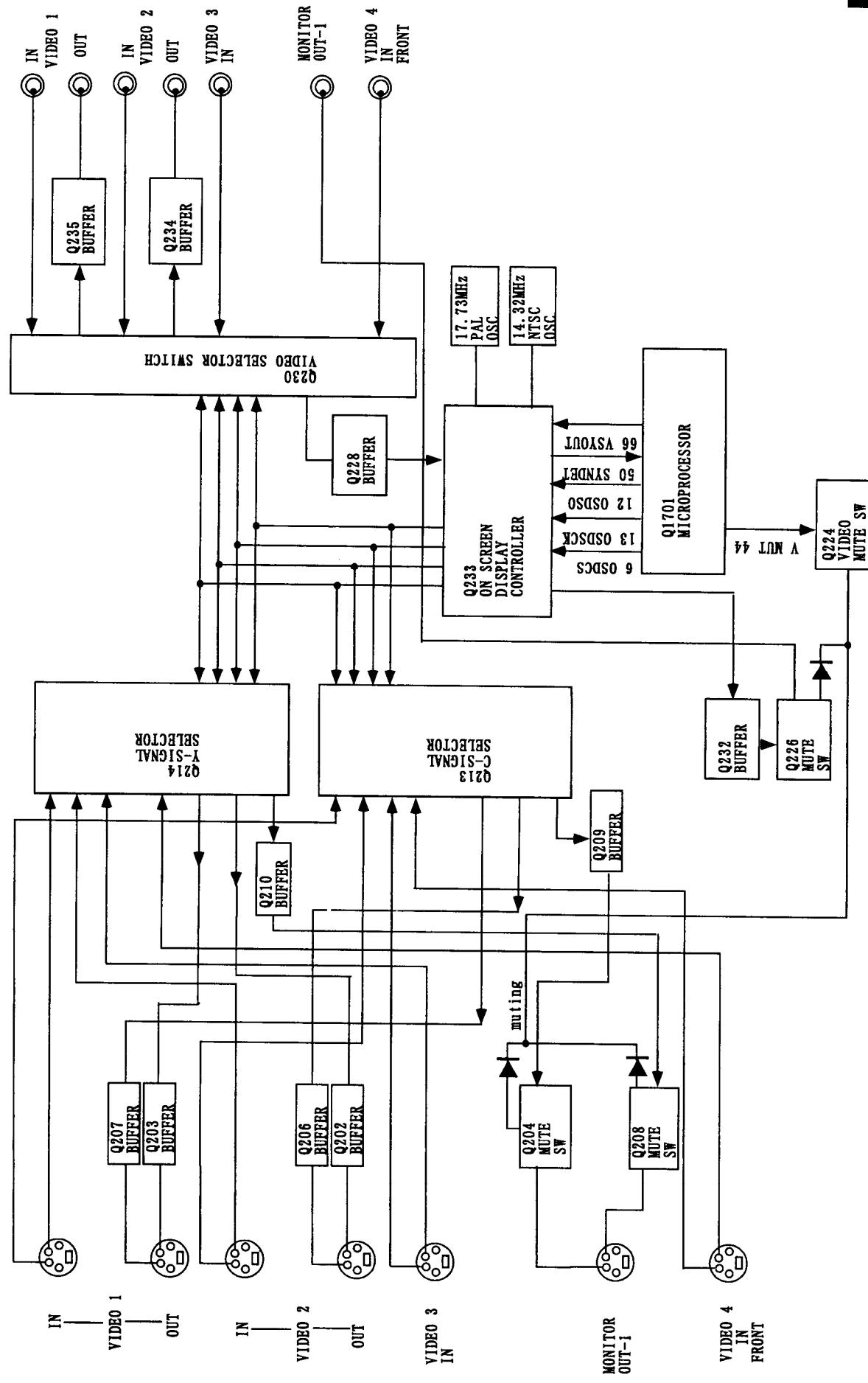
Two "AA" batteries (1.5VX2)

Specifications and features are subject to change without notice.

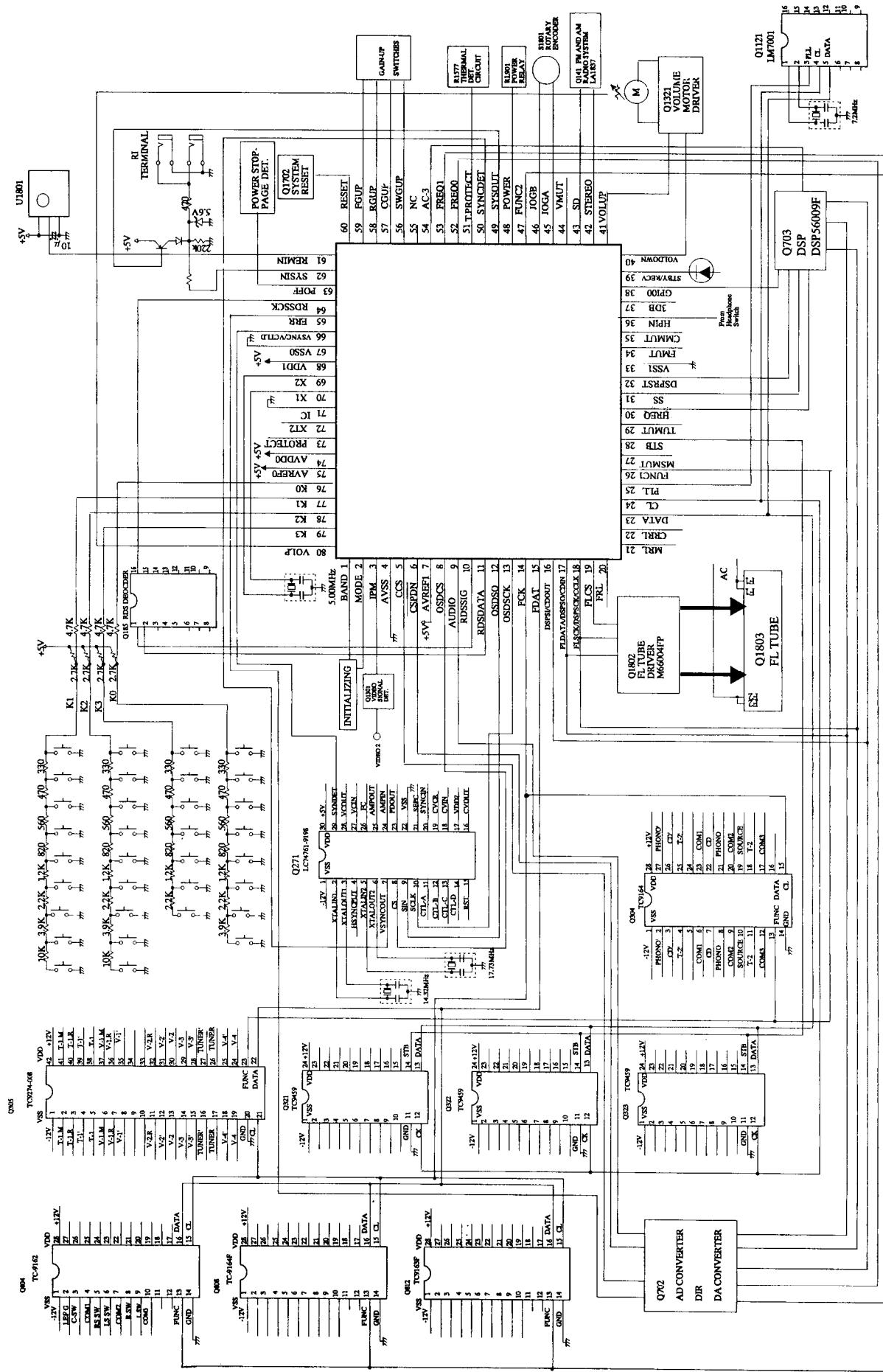
BLOCK DIAGRAM TUNER SECTION



VIDEO SECTION



MICROPROCESSOR CONNECTION DIAGRAM



TERMINAL DESCRIPTION

Pin No.	Function	Description
1 BAND	Initializing input pin for switching of RDS function and FM/AM band	
2 MODE	Initializing input pin for switching of operation mode	
3 I/PM	Detection input pin for operation of Intelligent Power Management	
4 AVSS	Ground pin for AD converter	
5 CCS	Chip select pin of DIR IC (CS4226)	
6 CSPDN	Power Down pin of DIR IC	
7 AVREFI	Reference voltage pin of DA converter	
8 OSDCS	Output pin to connect the terminal CS of OSD controller (LC74761)	
9 AUDIO	Audio signal input pin of DIR IC	
10 RDSSIG	RDS broadcast detection input pin	
11 RDSDATA	Data input pin to connect the terminal DATA OUT of RDS demodulator IC (BU1922)	
12 OSDDSO	Output pin to connect the terminal SIn of OSD controller (LC74761)	
13 OSDSCK	Output pin to connect the terminal SCLK of OSD controller (LC74761)	
14 FCK	Clock output pin to connect the terminals CK of Function switches (TC9162AN, TC9163AN, TC9164AN, TC9274N-008)	
15 FDAT	Data output pin to connect the terminals DATA of Function switches (TC9162AN, TC9163AN, TC9164AN, TC9274N-008)	
16 DSFSI/CDOUT	Serial data input pin to connect the terminals CDOUT of DIR IC and MISO of DSP56009	
17 FLDATA/DSPSO/CDIN	Serial data output pin to connect the terminals SDATA of FL tube driver IC (M66004FP), MOSI of DSP56009, and CDIN of DIR IC.	
18 FLSCK/DSPSCK/CCLK	Serial clock output pin to connect the terminals SCK of FL tube driver IC (M66004FP), SCK of DSP56009, and CCLK of DIR IC.	
19 FLCS	Output pin to connect the terminal CS of FL tube driver	
20 FRL	Front speaker relay control output pin	
21 MRL	Multi speaker relay control output pin	
22 CRRL	Center and surround speaker relays control output pin	
23 DATA	Data output pin to connect the terminals DATA of electric volume (TC9459P) and PLL IC (LM7001)	
24 CL	Clock output pin to connect the terminals CK of electric volume (TC9459P) and PLL IC (LM7001)	
25 PLL	Output pin to connect the terminal PLL of PLL IC (LM7001)	
26 FUNC1	Output pin to connect the terminals STB of function switches (TC9162AN, TC9274N-008)	
27 MSMUT	Muting output pin for surround multi amplifier	
28 STB	Strobe output pin to connect the terminal STB of electric volume	
29 TUMUT	Muting output pin for tuner section	
30 HREQ	Request input pin to connect the terminal HREQ of DSP56009	
31 SS	Output pin to connect the terminal S of DSP56009	
32 DSPRST	Reset input pin to connect the terminal RESET of DSP56009	
33 VSS1	Ground pin for AD converter	
34 FMUT	Muting output pin for front channel section	
35 CMMUT	Muting output pin for center and subwoofer channels	
36 HPIN	Input terminal to detect the insertion of headphone. When the headphone is inserted, the Surround mode turns OFF.	
37 3DB	3-DBASS switching output pin	
38 GP100	Input terminal to connect the terminal GPIO0 of DSP56009.	
39 STBY/RECV	Indicator output pin of Standby and Received	

Pin No.	Function	Description
40 VOLDOWN	Volume control output pins	
41 VOLUP	Volume control output pins	
42 STEREO	Stereo broadcast detection input pin	
43 SD	Detection input pin of broadcast more than muting level	
44 VMUT	Muting output pin for video section	
45 JOGA	Jog A input pin	
46 JOGB	Jog B input pin	
47 FUNC2	Strobe output pin to connect the terminals ST of function switch Ics (TC9162F, TC9163F, TC9164F)	
48 POWER	Power control output pin	
49 SYSOUT	System code output pin	
50 SYNCDET	External synchronizing judge input pin of OSD IC.	
51 T.PROTECT	'Thermal detection input pin. When this pin is low level more than 10 seconds, the power source becomes off.	
52 FREQ0	Frequency check input pin of CS4226.	
53 FREQ1	Frequency check input pin of CS4226.	
54 AC-3	Data signal input pin of DIR IC	
55 NC	Not used	
56 SWGUP	Volume gain up signal output pin of subwoofer channel.	
57 CGUP	Volume gain up signal output pin of center channel.	
58 RGUP	Volume gain up signal output pin of surround channel.	
59 FGUP	Volume gain up signal output pin of front channel.	
60 RESET	System reset input pin	
61 REMIN	Signal input pin from the remote controller	
62 SYNSIN	System code input pin	
63 POFF	Stoppage detection input pin	
64 RDSSCK	Clock input pin to connect the terminal CLK OUT of RDS demodulator IC	
65 ERR	Over level and error signal input pin of DIR IC	
66 VCTLD	Vertical synchronizing signal input pin. This signal is used to the switching of NTSC/PAL.	
67 VSS0	Ground pin of port section	
68 VDD1	Positive power supply (+5V)	
69 X2	Ceramic oscillator connection pins of main system.	
70 X1	Connect the 5MHz ceramic oscillator to these terminals	
71 IC	Internal connection terminal	
72 XT2	Not used.	
73 PROTECT	Detection input pin of protection circuit	
74 VDD0	Positive power supply pin of port section	
75 AVREF0	Reference voltage input pin of AD converter	
76 K0	Operation key connection pins	
77 K1	Operation key connection pins	
78 K2	Operation key connection pins	
79 K3	Operation key connection pins	
80 VOLP	Position detection pin of master volume	

PRINTED CIRCUIT BOARD-PARTS LIST

FRONT AND CENTER CHANNEL POWER AMPLIFIER PC BOARD(NAAF-6301-1A/1B/1C/1D)			CIRCUIT NO.	PART NO.	DESCRIPTION
CIRCUIT NO.	PART NO.	DESCRIPTION			
	Transistors				Diodes
Q1501,Q1502	2211732,	* 2SC1845-F,	D581,D582	22380032, 22380035 or	1SR139-100, GP104003E or
Q501-Q504	2211733, 2215115 or 2215116	* 2SC1845-E, * 2SC1775-E or * 2SC1775-F	D1573	22380260 224470512	RL1N4003 MTZJ5.1B
Q1503	2211732,	2SC1845-F,	L1501	231176S	S-1.3C <P/T/W/R/A>
Q505,Q506	2211733, 2215115 or 2215116	2SC1845-E, 2SC1775-E or 2SC1775-F	L501,L502	231176S	S-1.3C <P/T/W/R/A>
					Coils
Q1504,Q1572	2212115 or 2213284	2SC2458-GR or 2SC1740S-R	C1501,C1552	354744709 354722219	47 μ F,16V,Elect. 220 μ F,6.3V,Elect.
Q1505-Q1507	2211353 or 2211354	2SA949-O or 2SA949-Y	C1509,C1571	354781009	10 μ F,50V,Elect.
Q1508,Q1509	2211633 or 2211634	2SC2229-O or 2SC2229-Y	C1512	374721044	0.1 μ F \pm 5%,50V,Plastic
Q1511	2203010	2SC5171	C1514,C1515	354771019	100 μ F,63V,Elect.
Q1512	2203000	2SA1930	C1516,C1517	354774709	47 μ F,63V,Elect.
Q1513	2201653,	* 2SC3856-O,	C1518	354742219	220 μ F,16V,Elect.
Q525,Q526	2201654, 2201655, 2202842 or 2202843	* 2SC3856-Y, * 2SC3856-P, * 2SC5242-R or * 2SC5242-O	C1572	354764709	47 μ F,35V,Elect.
Q1514	2201663	* 2SA1492-O,	C501,C502	354780109	1 μ F,50V,Elect.
Q527,Q528	2201664 2201665 2202832 2202833	* 2SA1492-Y, * 2SA1492-P, * 2SA1962-R or * 2SA1962-O	C509	354744709 374721044	47 μ F,16V,Elect. 220 μ F,6.3V,Elect.
Q1515	2214984 or 2214985	2SC2631-R or 2SC2631-S	R1512,R1514	443528204	82 Ω \pm 5%,1/2W,Metal oxide
Q1551	2211793 or 2211792	2SA992-E or 2SA992-F	R1513,R1515	443526804	68 Ω \pm 5%,1/2W,Metal oxide
Q1552,Q1553	2214984 or 2214985	2SC2631-R or 2SC2631-S	R1516	443528204	82 Ω \pm 5%,1/2W,Metal oxide
Q1571	2212445	2SK365-GR	R1519	5210288	N06HR2.2KBE,Trimming
Q1573	2212644 or 2212643	2SA1358-Y or 2SA1358-O	R1522	453530224	150 Ω \pm 5%,1/2W,Metal oxide
Q1574,Q1591	2212115 or 2213284	2SC2458-GR or 2SC1740S-R	R1523,R1524	4000132	2.2 Ω \pm 5%,1/2W,Metal
Q507,Q508	2212115 or 2213284	2SC2458-GR or 2SC1740S-R	R1525	453530224	RGC55 0.22,Metal plate
Q509-Q514	2211353 or 2211354	2SA949-O or 2SA949-Y	R1531	4000132	8.2 Ω \pm 5%,1W,Metal
Q515-Q518	2211633 or 2211634	2SC2229-O or 2SC2229-Y	R1537,R1538	453630824	0.22 Ω \pm 5%,1/4W,Metal
Q521,Q522	2203010	2SC5171	R527-R530	4500159	82 Ω \pm 5%,1/2W,Metal oxide
Q523,Q524	2203000	2SA1930	R531,R532	443528204	82 Ω \pm 5%,1/2W,Metal oxide
Q529,Q530	2214984 or 2214985	2SC2631-R or 2SC2631-S	R537,R538	5210288	68 Ω \pm 5%,1/2W,Metal oxide
Q592	2213284 or 2212115	2SC1740S-R or 2SC2458-GR	R543,R544	443521514	82 Ω \pm 5%,1/2W,Metal oxide
D1571,D1572	223163 or	1SS133 or	R545-R548	453530224	2.2 Ω \pm 5%,1/2W,Metal
D1574,D1576	223205	1SS270A	R549,R550	4000132	RGC55 0.22,Metal plate
D1591,D592	223163 or 223205	1SS133 or 1SS270A	R561,R562	453630824	8.2 Ω \pm 5%,1W,Metal
			R581-R586	4500159	0.22 Ω \pm 5%,1/4W,Metal
			R593,R594	443623914	390 Ω \pm 5%,1W,Metal oxide
					Relays
			JL501a,JL507a	25051110	NSCT-6P897
			JL502a	25051111	NSCT-7P898
			JL506a	25051095	NSCT-11P882
			JL509a	25051087	NSCT-3P874
					Sockets
					Diodes

NOTE: THE COMPONENTS IDENTIFIED BY MARK Δ
ARE CRITICAL FOR RISK OF FIRE AND
ELECTRIC SHOCK. REPLACE ONLY WITH
PART NUMBER SPECIFIED.

CAUTION: Replacement of the transistor of mark *, if necessary,
must be made from the same beta group (HFE) as the
original type.

CIRCUIT NO.	PART NO.	DESCRIPTION	CIRCUIT NO.	PART NO.	DESCRIPTION	
Plugs						
JL503b	25055630	NPLG-9P592	C681-C684	354771019	100 μ F,63V,Elect.	
JL508b	25055631	NPLG-10P593	C685-C688	354774709	47 μ F,63V,Elect.	
P1501	25055038	NPLG-2P29	C689	354741009	10 μ F,16V,Elect.	
P401a	25055139	NPLG-9P123	R623-R626	443528204	82 Ω \pm 5%,1/2W,Metal oxide	
P501,P502	25055038	NPLG-2P29	R627-R630	443526804	68 Ω \pm 5%,1/2W,Metal oxide	
P503	25055099	NPLG-2P83	R631,R632	443528204	82 Ω \pm 5%,1/2W,Metal oxide	
SURROUND AMPLIFIER PC BOARD(NAAF-6302-1A/1B/1C/1D)						
CIRCUIT NO.	PART NO.	DESCRIPTION	R637,R638	5210288	N06HR2.2KBE,Trimming	
Transistors						
Q601-Q604	2211732,*	2SC1845-F,	R643,R644	443521514	150 Ω \pm 5%,1/2W,Metal oxide	
	2211733,*	2SC1845-E,	R645-R648	453530224	2.2 Ω \pm 5%,1/2W,Metal	
	2215115 or	2SC1775-E or	R649,R650	4000132	RGC55 0.22	
	2215116	2SC1775-F	R673,R674	453630824	8.2 Ω \pm 5%,1W,Metal	
Q605,Q606	2211732,	2SC1845-F,	R681-R686	4500159	0.22 Ω \pm 5%,1/4W,Metal	
	2211733,	2SC1845-E,	Relays			
	2215115 or	2SC1775-E or	RL691,RL692	25065510,	NRL-2P5A-DC24-095,	
	2215116	2SC1775-F		25065517 or	NRL-2P5A-DC24-098 or	
				25065563	NRL-2P5A-DC24-129	
Sockets						
Q607,Q608	2212115 or	2SC2458-GR or	JL502b	25050284	NSCT-7P112	
	2213284	2SC1740S-R	JL507b	25050283	NSCT-6P111	
Q609-Q614	2211353 or	2SA949-O or	JL603a,JL942a	25051110	NSCT-6P897	
	2211354	2SA949-Y	Plugs			
Q615-Q618	2211633 or	2SC2229-O or	JL506b	25055632	NPLG-11P594	
	2211634	2SC2229-Y	P601,P602	25055038	NPLG-2P29	
Q625,Q626	2201653,*	2SC3856-O,	POWER SUPPLY CIRCUIT PC BOARD (NAPS-6303-1A/1B/1C/1D)			
	2201654,*	2SC3856-Y,	CIRCUIT NO.	PART NO.	DESCRIPTION	
	2201655,*	2SC3856-P,	Q921	2212115 or	2SC2458-GR or	
	2202842 or	2SC5242-R or		2213284	2SC1740S-R	
	2202843	2SC5242-O	D925	223163 or	1SS133 or	
Q627,Q628	2201663,*	2SA1492-O,		223205	1SS270A	
	2201664,*	2SA1492-Y,	D921-D924	22380032,	1SR139-100,	
	2201665,*	2SA1492-P,		22380035 or	GP104003E or	
	2202832 or	2SA1962-R or		22380260	RL1N4003	
	2202833	2SA1962-O	Power transformer			
Q621,Q622	2203010	2SC5171	T902	2300670A	Δ NPT-1111D <D>	
Q623,Q624	2203000	2SA1930		2300671A	Δ NPT-1111P <P/T/A>	
Q629,Q630	2214985 or	2SC2631-S or		2300672A	Δ NPT-1111DG <W/R>	
	2214984	2SC2631-R	Capacitors			
Q691,Q692	2212115 or	2SC2458-GR or	C901	3500191	Δ DE7150F-103M, IS	
	2213284	2SC1740S-R	C922	354742219	220 μ F,16V,Elect.	
Diodes						
D681,D682	22380032,*	1SR139-100,	Resistor			
	22380035 or	GP104003E or	R901	431533355	Δ RC1/2GFKUL-3.3M,Solid <D>	
	22380260	RL1N4003	R921	453530824	8.2 Ω \pm 5%,1/2W,Metal	
D691,D692	223163 or	1SS133 or	Fuses			
	223205	1SS270A	F901	252199	Δ 10A-UL,Fuse <D/W/R>	
Coils			F902	252078	Δ 5A-SE-EAK,Fuse <P/T/W/A/R>	
L601,L602	231176S	S-1.3C <P/T/W/R/A>	F903	252075	Δ 2.5A-SE-EAK,Fuse <P/T>	
Capacitors						
C601,C602	354744709	47 μ F,16V,Elect.	F901a	25050065	Δ YSH403T <D/W/R>	
C607,C608	354722219	220 μ F,6.3V,Elect.	F902a	25050065	Δ YSH403T <P/T/A/W/R>	
C617,C618	354781009	10 μ F,50V,Elect.	F903a	25050065	Δ YSH403T <P/T>	
C623,C624	374721044	0.1 μ F \pm 5%,50V,Plastic	JL1701b	25050267	NSCT-3P95	
C635,C636	354742219	220 μ F,16V,Elect.				
C662	374731044	0.1 μ F \pm 5%,100V,Plastic				
C663,C664	3504341	15000 μ F,63V,Elect.				

NOTE: THE COMPONENTS IDENTIFIED BY MARK Δ
ARE CRITICAL FOR RISK OF FIRE AND
ELECTRIC SHOCK. REPLACE ONLY WITH
PART NUMBER SPECIFIED.

CIRCUIT NO.	PART NO.	DESCRIPTION	CIRCUIT NO.	PART NO.	DESCRIPTION
	AC outlet			ICs	
P902	25051125	Δ NSCT-4P912 <P/T/W/R>	Q761-Q764	22240581R1	NJM4565M
	25051126	Δ NSCT-4P913 <D>	Q791,Q792	222780055	78M05HF
	25052115	Δ NSCT-2P2013 <A>	Q801-Q803	22240581R1	NJM4565M
	Plug		Q804	22240981R2	TC9162AF
P901a	25055675	Δ NPLG-2P631	Q805-Q807	22240581R1	NJM4565M
	Relay		Q808	22241221R2	TC9164AF
RL901	25065516 or	Δ NRL-1P10A-DC12-097 or	Q809,Q810	22240581R1	NJM4565M
	25065248	Δ NRL-1P15A-DC12-29 <D>	Q812	22240943R2	TC9163AF
RL901	25065508,	Δ NRL-1P10A-DC12-093,	Q813	22240581R1	NJM4565M
	25065526,	Δ NRL-1P5A-DC12-102,		Photo couplers	
	25065561 or	Δ NRL-1P5A-DC12-127 or	U701	24120037	TORX178A
	25065515	Δ NRL-1P5A-DC12-096 <P/T/W/R/A>	Q983	24120043	ON3131 <D>
	Switch			Transistors	
S901	25065437	Δ NSS-22157P <W/R>	Q981,Q982	221282 or	DTC144ES or
	Fuse labels			2213560	RN1204
F902b	29361938	T5AL250V <P/T/W/R/A>	Q984	2213510 or	DTA114ES or
F901b	29362241	10A/125V <D/W/R>	Q985	2214350	RN2202 <D>
				2212115 or	2SC2458-GR or
				2213284	2SC1740S-R <D>
	PRIMARY CIRCUIT PC BOARD (NAETC-6305-1A/1B/1C/1D)			Diodes	
	CIRCUIT NO.	DESCRIPTION		D761-D764	223234R2
C665	374731044	0.1 μ F \pm 5%,100V,Plastic capacitor		D983,D984	223234R2
R941,R942	453532294	0.22 Ω \pm 5%,1/2W,Metal resistor		D981-D983	223234R2
R944,R945	453530104	1 Ω \pm 5%,1/2W,Metal resistor		L708,L709	231237K100R2
R946	453532294	0.22 Ω \pm 5%,1/2W,Metal resistor		L710	233454K022
JL941b	25050284	NSCT-7P112,Socket			Coils
JL942b	25051110	NSCT-6P897,Socket	X701	3010279	XTL-18.432M
				C471-C473	354744709
	THERMAL DETECTOR PC BOARDS			C474-C479	47 μ F,16V,Elect.
(NAETC-6306/6307/6308/6309/6310-1A/1B/1C/1D)				C480-C482	1200pF \pm 5%,50V,Plastic
	CIRCUIT NO.	DESCRIPTION		C701	2200pF \pm 5%,50V,Plastic
	Transistors			C711	100 μ F,6.3V,Elect.
Q519,Q520	2212653 or	2SC3421-O or		C713,C736	0.1 μ F \pm 5%,50V,Plastic
Q1510	2212654	2SC3421-Y		C714	8200pF \pm 5%,50V,Plastic
Q619,Q620	2212653 or	2SC3421-O or		C721-C724	10 μ F,16V,Elect.
	2212654	2SC3421-Y		C740,C742	100 μ F,6.3V,Elect.
				C783-C786	47 μ F,16V,Elect.
	POWER SWITCH PC BOARD (NASW-6311-1B/1C/1D)			C793,C794	10 μ F,16V,Elect.
	CIRCUIT NO.	DESCRIPTION		C801-C806	10 μ F,50V,Elect.
C906	3500191	Δ DE7150F-103M,IS capacitor <P/T/W/R/A>		C813-C818	3300pF \pm 5%,50V,Plastic
C906a	27301216	Δ SB1925A,Cover, capacitor <P/T/W/R/A>		C819-C824	1500pF \pm 5%,50V,Plastic
S906	25035550	Δ NPS-111-L512P,Power switch <P/T/W/R/A>		C825-C830	1000pF \pm 5%,50V,Plastic
				C851-C860	0.22 μ F \pm 5%,50V,Plastic
	THERMAL DET. PC BOARD(NAETC-6314-1A/1B/1C/1D)			C861-C866	2.2 μ F,50V,Elect.
	CIRCUIT NO.	DESCRIPTION		C881	0.01 μ F \pm 5%,50V,Plastic
JL509b	25051087	NSCT-3P874,Socket		C882,C886	0.22 μ F \pm 5%,50V,Plastic
R1577	4000150	PTH9M04BC222TS2F333,Thermistor		C883	0.047 μ F \pm 5%,50V,Plastic
				C884	0.12 μ F \pm 5%,50V,Plastic
	MAIN CIRCUIT PC BOARD (NADG-6316-1A/1B)			C885	0.022 μ F \pm 5%,50V,Plastic
	CIRCUIT NO.	DESCRIPTION		C982	10 μ F,16V,Elect.
	ICs			C983	10 μ F,16V,Elect. <D>
Q471-Q473	22240581R1	NJM4565M			
Q701	222740046R1TO	TC74HCU04F			
Q702	22241218R3	CS4226-KQ			
Q703	22241219R3 or	DSPF56009FJ88 or			
	22241235R3	XCF56009FJ88			
Q704	22241101R2	LC32464M-80			

CIRCUIT NO.	PART NO.	DESCRIPTION	CIRCUIT NO.	PART NO.	DESCRIPTION
	Terminals			Capacitors	
P703	25045303 or 25045537	NPJ-4PDBL162 or NPJ-4PDWR361	C361,C362	354742209	22 μ F,16V,Elect.
P701,P702	25045473	NPJ-1PDBL291	C365,C366	354742209	22 μ F,16V,Elect.
P981	25045504	NPJ-1PDBL319	C371,C372	354780229	2.2 μ F,50V,Elect.
P704	25045549	NPJ-2PDBL370	C379-C382	374721044	0.1 μ F \pm 5%,50V,Plastic
P982	25045293 25045433	HSJ1003-01-012 <P/T/W/R/A> HSJ1003-01-013 <D>	C383,C384 C385,C386 C397,C398	374721534 354744709 354744709	0.015 μ F \pm 5%,50V,Plastic 47 μ F,16V,Elect. 47 μ F,16V,Elect.
	Sockets		C406,C416	354744709	47 μ F,16V,Elect.
P711,P712	25051241	NSCT-20P1031	C410,C430	354741009	10 μ F,16V,Elect.
			C426,C436	354744709	47 μ F,16V,Elect.
			C431,C441	354780229	2.2 μ F,50V,Elect.
	ICs		C440	354741009	10 μ F,16V,Elect.
Q1301,Q1371	22240581R1	NJM4565M	C446,C456	354744709	47 μ F,16V,Elect.
Q304	22241221R2	TC9164AF	C451	354780229	2.2 μ F,50V,Elect.
Q305	22240829	TC9274N-008			Socket
Q306,Q307	22240581R1	NJM4565M	JL307b	25050271	NSCT-7P99
Q321-Q323	22241220R2	TC9459F	P311	25051240	NSCT-15P1030
Q371,Q372	22240581R1	NJM4565M	P312	25051527	NSCT-16P1314
Q401,Q421	22240581R1	NJM4565M	P313	25051528	NSCT-17P1315
Q441	22240581R1	NJM4565M	P401	2009990505UL	NSAS-18P0667
	Transistors				Terminals
Q1372	2211945	2SK246-GR	P304-P306	25045552 or 25045553	NPJ-6PDWR371 or NPJ-6PDWR372
Q308,Q375	2213510 or 2214350	DTA114ES or RN2202			
Q309	2213816, 2212355, 2212356 or 2213815	2SD1450-T, 2SD1302-S, 2SD1302-T or 2SD1450-S			FRONT/CENTER SPEAKER TERMINAL PC BOARD (NAETC-6318-1A/1B)
Q373,Q374	2211945	2SK246-GR	C1581-C1583	374721034	0.01 μ F \pm 5%,50V,Plastic capacitor <P/T/W/R/A>
Q402,Q403	2213631 or	RN1241-A or	JL501b,JL603b	25050270	NSCT-6P98,Socket
Q412,Q413	2213632	RN1241-B	P1581	25060284	NTM-6PDMMN215,Terminal
Q404,Q405	2213510 or	DTA114ES or			REAR/REMOTE SPEAKER TERMINAL PC BOARD (NAETC-6319-1A/1B)
Q424,Q425	2214350	RN2202	CIRCUIT NO.	PART NO.	DESCRIPTION
Q422,Q423	2213631 or	RN1241-A or	C627-C630	374721034	0.01 μ F \pm 5%,50V,Plastic capacitor <P/T/W/R/A>
Q432,Q433	2213632	RN1241-B	JL603b	25050270	NSCT-6P98,Socket
Q434,Q435	2213510 or	DTA114ES or	P611	25060274	NTM-8PDMMN205,Terminal
Q454	2214350	RN2202			
Q442,Q443	2213631 or	RN1241-A or			
Q452,Q453	2213632	RN1241-B			
	Diodes				
D1301,D1302	223234R2	1SS352			MICROPROCESSOR CIRCUIT PC BOARD
D1371	223234R2	1SS352			(NAAR-6322-1A/1B/1C/1D)
D371,D372	223234R2	1SS352			
D401	223234R2	1SS352	CIRCUIT NO.	PART NO.	DESCRIPTION
D421,D431	223234R2	1SS352	ICs		
			Q1701	22241285	MPD78058GC-B09-8BT
			Q951	222780125	78M12HF
			Q952	222790125	79M12HF
			Q953,Q954	222780055	78M05HF
			Q955	222780565JRC	78M56(NJM78M56FA)
					Transistors
C1301-C1304	354741009	10 μ F,16V,Elect.	Q1702	221282 or	DTC144ES or
C1306	374721034	0.01 μ F \pm 5%,50V,Plastic		2213560	RN1204
C1307	354741009	10 μ F,16V,Elect.	Q1703	2213510 or	DTA114ES or
C1371	354780229	2.2 μ F,50V,Elect.		2214350	RN2202
C1375,C1376	374721044	0.1 μ F \pm 5%,50V,Plastic	Q956	2211455	2SA1015-GR
C345,C346	354741009	10 μ F,16V,Elect.	Q957	2211255	2SC1815-GR
C351,C352	354744709	47 μ F,16V,Elect.			
C355,C356	354744709	47 μ F,16V,Elect.			
C359,C360	354744709	47 μ F,16V,Elect.			

CIRCUIT NO.	PART NO.	DESCRIPTION	CIRCUIT NO.	PART NO.	DESCRIPTION
Diodes					
D1701-D1703	223163 or	1SS133 or	P101a	25055650	NPLG-10P606 <D/T/W/R/A>
D1705,D1706	223205	1SS270A		25055651	NPLG-12P607 <P>
D1704	224470623	MTZJ6.2C	P1321a,P201a	25055706	NPLG-10P662
D1707	224470562	MTZJ5.6B	P311a,P711a	25055711	NPLG-15P667
D1708	224470512	MTZJ5.1B	P712a	25055712	NPLG-20P668
D952-D955	22380003F	1N5402F	P102a,P312a	25055805	NPLG-16P761
D956	223163 or	1SS133 or	P313a	25055806	NPLG-17P762
D961-D963	223205	1SS270A	COMPOSITE VIDEO SIGNAL PC BOARD (NAVD-6323-1A/1B/1C/1D)		
D957-D959	22380032,	1SR139-100,			
D965-D968	22380035 or	GP104003E or	CIRCUIT NO.	PART NO.	DESCRIPTION
	22380260	RL1N4003			ICs
D960	224473604	MTZJ36D	Q230	22240373	BA7625
Coil			Q233	22241037	LC74761-9189
L1701	233454K220	NCH-1452 220K	Transistors		
Crystal			Q224	2213640 or	DTC123JS or
X1701	3010242	CST5.00MGW		2214660	RN1205
Capacitors			Q226,Q236	2212285 or	2SC2878-A or
C1701,C1704	354721019	100 μ F,6.3V,Elect.		2212286	2SC2878-B
C1702	3000076 or	EECSS5R5T104 or	Q228,Q232	2212125 or	2SA1048-GR or
C1702 or	3000078	DX-5R5L104	Q234,Q235	2213354	2SA933S-R
C1703	375524744	0.47 μ F \pm 5%,50V,Plastic	Diodes		
C1705	354780109	1 μ F,50V,Elect.	D211	223163 or	1SS133 or
C1707	354741009	10 μ F,16V,Elect.	D213-D215	223205	1SS270A
C953	3504213	4700 μ F,35V,Elect.	X201	3010167	XTL-14.32M
C954	354761029	1000 μ F,35V,Elect.	X202	3010238	XTL-17.73M <P/T/W/R/A>
C956,C958	354741009	10 μ F,16V,Elect.	I203	233454J056	NCH-1452 056J
C961	354744729	4700 μ F,16V,Elect.	I201	233454K220	NCH-1452 220K
C963,C965	354741009	10 μ F,16V,Elect.	Capacitors		
C966	354751029	1000 μ F,25V,Elect.	C228	354780229	2.2 μ F,50V,Elect.
C968	354741009	10 μ F,16V,Elect.	C236,C253	354780109	1 μ F,50V,Elect.
C969	354762219	220 μ F,35V,Elect.	C237,C242	354721019	100 μ F,6.3V,Elect.
C970	354772219	220 μ F,63V,Elect.	C239	354724719	470 μ F,6.3V,Elect.
C973	354754719	470 μ F,25V,Elect.	C240	354744709	47 μ F,16V,Elect.
Resistors			C244,C248	375524744	0.47 μ F \pm 5%,50V,Plastic
R951,R952	452630334	3.3 Ω \pm 5%,1W,Metal	C245,C265	354721019	100 μ F,6.3V,Elect.
R953	452530684	6.8 Ω \pm 5%,1/2W,Metal	C246,C262	354784799	0.47 μ F,50V,Elect.
R954	452630564	5.6 Ω \pm 5%,1W,Metal	C251	374721224	1200pF \pm 5%,50V,Plastic
R955	452630334	3.3 Ω \pm 5%,1W,Metal	C257	374726824	6800pF \pm 5%,50V,Plastic
R957,R958	442523304	33 Ω \pm 5%,1/2W,Metal oxide	C259-C261	354780229	2.2 μ F,50V,Elect.
R959	452530224	2.2 Ω \pm 5%,1/2W,Metal	C263	374722234	0.022 μ F \pm 5%,50V,Plastic
R960	442522204	22 Ω \pm 5%,1/2W,Metal oxide	C266-C268	354724719	470 μ F,6.3V,Elect.
R963	453530104	1 Ω \pm 5%,1/2W,Metal	Terminals		
R964	443522204	22 Ω \pm 5%,1/2W,Metal oxide	P210,P211	25045299	NPJ-3PDYE158
R965	443523314	330 Ω \pm 5%,1/2W,Metal oxide	P212	25045469 or	NPJ-4PDBL287 or
Sockets				25045554	NPJ-4PDRW373
JL1701a	25051107	NSCT-3P894	P213	25045549	NPJ-2PDBL370
JL508a	25051094	NSCT-10P881	JL503a	25051093	NSCT-9P880
JL941a	25051111	NSCT-7P898	P201b	25051235	NSCT-10P1025
P1701a	25052036, 25050967, 25051293 or 25051834	NSCT-27P1823, NSCT-27P754, NSCT-27P1082 or NSCT-27P1621			

S VIDEO CIRCUIT PC BOARD (NAVD-6324-1A/1B/1C/1D)			CIRCUIT NO.	PART NO.	DESCRIPTION
CIRCUIT NO.	PART NO.	DESCRIPTION	CIRCUIT NO.	PART NO.	DESCRIPTION
Q213,Q214	22240373	BA7625	S1811-S1840	25035652	NPS-111-S604
		Transistors	S1841	25035652	NPS-111-S604 <P>
Q202,Q203	2212125 or	2SA1048-GR or	S1842,S1843	25035652	NPS-111-S604
Q206,Q207	2213354	2SA933S-R	Q1801a	27191001	
Q204,Q208	2212285 or 2212286	2SC2878-A or 2SC2878-B	U1801a	27191042	
Q209,Q210	2212125 or 2213354	2SA1048-GR or 2SA933S-R	TUNER CIRCUIT PC BOARD (NARF-63271A/1B/1C/1D)		
		Diodes	CIRCUIT NO.	PART NO.	DESCRIPTION
D201-D203	223163 or	1SS133 or	TU001	240131	ENV172D4G1 <D>
D207	223205	1SS270A	TU001	240132	ENV172D3G1 <P/T/W/R/A>
		Capacitors			ICs
C202,C204	354780229	2.2 μ F,50V,Elect.	Q121	22240090 or	LM7001 or
C203,C205	354724719	470 μ F,6.3V,Elect.		22241076	LM7001J
C206	354780229	2.2 μ F,50V,Elect.	Q141	22241151	LA1837
C207,C224	354724719	470 μ F,6.3V,Elect.	Q185	22241124	BU1922 <P>
C208-C213	354780229	2.2 μ F,50V,Elect.			Transistors
C219,C220	354780229	2.2 μ F,50V,Elect.	Q101	2210746	2SC945A-P <P/T/W/R/A>
C223	354721019	100 μ F,6.3V,Elect.	Q102	2211723	2SC1923-O
		Sockets	Q122	2212445	2SK365-GR
P203,P206	25051568	NSCT-12P1355	Q123	2212115 or 2213284	2SC2458-GR or 2SC1740S-R
CONNECTOR PC BOARD(NAETC-6325-1A/1B/1C/1D)			Q142	2212115 or 2213284	2SC2458-GR or 2SC1740S-R <P>
CIRCUIT NO.	PART NO.	DESCRIPTION	Q124,Q145	2213510 or 2214350	DTA114ES or RN2202
P1201a	25055135	NPLG-5P119,Plug			
DISPLAY CIRCUIT PC BOARD(NADIS-6326-1A/1B/1C/1D)			Q143,Q144	2212794 or 2215024	2SD1468-R or 2SD1468S-R
CIRCUIT NO.	PART NO.	DESCRIPTION			Diodes
		FL tube			
Q1801	212190	14-ST-23GK	D101	224470512	MTZJ5.1B
		IC	D102	224470913	MTZJ9.1C
Q1802	22240685R9	M66004FP			Coils
		Remote sensor	L141	233457	NFIF-4081
U1801	241305	GP1U281X	L142	233458	NFIF-4082
		Diodes	L143,L144	233484	NMC-4085 <P/T/W/R/A>
D1801,D1802	223163 or	1SS133 or	L145,L146	231092	NCH-2140 <D>
D1804	223205	1SS270A	L171	232174	NMRF-5077
D1803	224471803	MTZJ18C	L172	232139	NMIF-4062
D1805	225290	SEL4110R	L185	233454M022	NCH-1452 022M <P>
		Capacitors			Ceramic filters
C1802	375524744	0.47 μ F \pm 5%,50V,Plastic	X101	3010071	SFE-10.7MA5 RED
C1803	354721019	100 μ F,6.3V,Elect.	X102	3010071	SFE-10.7MA5 RED <P/T/W/R/A>
C1808	354781009	10 μ F,50V,Elect.	X103	3010071	SFE-10.7MA5 RED <D>
C1811	354741009	10 μ F,16V,Elect.	X103	3010130	SFE10.7MZ2K <P/T/W/R/A>
		Resistor	X171	3010123	SFZ450JL
R1851	49163103414	RM1/10IJ-10K*14			Crystals
		Sockets	X121	3010141	XTL-7.2M
JL1301b	25051108	NSCT-4P895	X185	3010203	AF6146CG <P>
P1201	2009990309A	NSAS-10P0443			Capacitors
P1701b	25052073, 25050933, 25051331 or 25051871	NSCT-27P1860, NSCT-27P720, NSCT-27P1120 or NSCT-27P1658	C002	354741009	10 μ F,16V,Elect.
		Rotary encoder	C126	374723334	0.033 μ F \pm 5%,50V,Plastic
			C127	354780229	2.2 μ F,50V,Elect.
S1801	25065528	REB161PVB	C128,C193	354741009	10 μ F,16V,Elect.
			C129	354782299	0.22 μ F,50V,Elect.
			C131	354721019	100 μ F,6.3V,Elect.

CIRCUIT NO.	PART NO.	DESCRIPTION	HEADPHONE TERMINAL PC BOARD (NAETC-6331-1A/1B/1C/1D)		
Capacitors			CIRCUIT NO.	PART NO.	DESCRIPTION
C142	354741019	100 μ F,16V,Elect.	JL1301a	25051108	NSCT-4P895,Socket
C143,C151	354780229	2.2 μ F,50V,Elect.	P1301	25045514	YKB26-5005,Headphone terminal
C144	354780479	4.7 μ F,50V,Elect.			
C146,C148	354780109	1 μ F,50V,Elect.			
C147,C167	354784799	0.47 μ F,50V,Elect.			
C153,C154	374722724	2700pF \pm 5%,50V,Plastic <P/T/W/R/A>			
C157,C158	374721024	1000pF \pm 5%,50V,Plastic <D>	Q301	22240191	NJM4565D-D
C159,C160	354742209	22 μ F,16V,Elect.			
C161,C162	374721224	1200pF \pm 5%,50V,Plastic <P>	C303,C304	354741009	10 μ F,16V,Elect.
	374721524	1500pF \pm 5%,50V,Plastic <T/W/R/A>	C305,C306	354741019	100 μ F,16V,Elect.
	374723324	3300pF \pm 5%,50V,Plastic <D>	C307,C308	374726824	6800pF \pm 5%,50V,Plastic
C163,C164	354742209	22 μ F,16V,Elect.	C309,C310	374721824	1800pF \pm 5%,50V,Plastic
C169	354744709	47 μ F,16V,Elect.	C311,C312	354741009	10 μ F,16V,Elect.
C170	374722234	0.022 μ F \pm 5%,50V,Plastic	C341,C342	354741009	10 μ F,16V,Elect.
C173	374724734	0.047 μ F \pm 5%,50V,Plastic			
C177	354780339	3.3 μ F,50V,Elect.	P102b	25051527	NSCT-16P1314
C179	354742209	22 μ F,16V,Elect.			
C185	374725615	560pF \pm 10%,50V,Plastic <P>	P301	25045469 or 25045554	NPJ-4PDBL287 or NPJ-4PDRW373
C186,C190	354721019	100 μ F,6.3V,Elect. <P>			
Resistors					
R1325	5210296	N06HR47KBE,Semi-fixed			NOTE: <D>:120V model only
R141	5210263	N06HR20KBC,Semi-fixed			<P>:European model only
R167	5210265	N06HR50KBC,Semi-fixed			<T>:Asian model only
Switch					<W>:Worldwide model only
S101	25065414	NSS-22155 <W/R>			<R>:Chinease model only
Sockets					<A>:Australian model only
P101b	25050984	NSCT-10P771 <D/T/W/R/A>			
	25050985	NSCT-12P772 <P>			
Plug					
TP141	25055038	NPLG-2P29			
Terminal					
P103	25060117 or 25060270 25060195 or 25060272	NTM-2PDML051 or NTM-2PDML201 <P/T/W/R/A> NTM-4PDML117 or NTM-4PDML203 <D>			
Shield plate					
TU001a	27150432	<P/T/W/R/A>			

MASTER VOLUME PC BOARD (NAETC-6328-1A/1B/1C/1D)

CIRCUIT NO.	PART NO.	DESCRIPTION
Q1321	22240239	TA7291S,IC
C1321	354721019	100 μ F,6.3V,Elect. Capacitor
R1321	5141441	N16RGL20K25F,Variable resistor
P1321b	25051235	NSCT-10P1025,Socket

TONE CONTROL PC BOARD (NAETC-6329-1A/1B/1C/1D)

CIRCUIT NO.	PART NO.	DESCRIPTION
C399	374721534	0.015 μ F \pm 5%,50V,Plastic capacitor
R391,R392	5104230 or 5104377	N14RLC100KWT22Z or N14RLC100KWT22Z,Variable resistor
JL307a	25051111	NSCT-7P898,Socket

FRONT VIDEO TERMINAL PC BOARD (NAETC-6330-1A/1B/1C/1D)

CIRCUIT NO.	PART NO.	DESCRIPTION
P1202	25045405	NPJ-3PDBL230,Video terminal
P1203	25051961	NSCT-4P1748,Socket

PRINTED CIRCUIT BOARD-PARTS LIST

FRONT AND CENTER CHANNEL POWER AMPLIFIER PC BOARD(NAAF-6301-2A/2B/2C/2D)		CIRCUIT NO.	PART NO.	DESCRIPTION
CIRCUIT NO.	PART NO.			
			Diodes	
Q1501,Q1502	2211732,	* 2SC1845-F,	D581,D582	1SR139-100, GP104003E or
Q501-Q504	2211733,	* 2SC1845-E,		22380260 RL1N4003
	2215115 or	* 2SC1775-E or	D1573	224470512 MTZJ5.1B
	2215116	* 2SC1775-F		
Q1503	2211732,	2SC1845-F,	L1501	S-1.3C <P/T/W/R/A>
Q505,Q506	2211733,	2SC1845-E,	L501,L502	S-1.3C <P/T/W/R/A>
	2215115 or	2SC1775-E or		Capacitors
	2215116	2SC1775-F	C1501	47 μ F,16V,Elect.
Q1504,Q1572	2212115 or	2SC2458-GR or	C1504,C1552	220 μ F,6.3V,Elect.
	2213284	2SC1740S-R	C1509,C1571	10 μ F,50V,Elect.
Q1505-Q1507	2211353 or	2SA949-O or	C1512	0.1 μ F \pm 5%,50V,Plastic
	2211354	2SA949-Y	C1513	0.047 μ F \pm 5%,50V,Plastic
Q1508,Q1509	2211633 or	2SC2229-O or	C1514,C1515	100 μ F,63V,Elect.
	2211634	2SC2229-Y	C1516,C1517	47 μ F,63V,Elect.
Q1511	2203010	2SC5171	C1518	220 μ F,16V,Elect.
Q1512	2203000	2SA1930	C1572	47 μ F,35V,Elect.
Q1513	2203063.	* 2SC5198-O,	C1574	1 μ F,50V,Elect.
Q525,Q526	2203062,	* 2SC5198-R,	C501,C502	47 μ F,16V,Elect.
	2202523,	* 2SC4468-O,	C507,C508	220 μ F,6.3V,Elect.
	2202526 or	* 2SC4468-P or	C517,CS18	10 μ F,50V,Elect.
	2202524	* 2SC4468-Y	C523,CS24	0.1 μ F \pm 5%,50V,Plastic
Q1514	2203053,	* 2SA1941-O,	C525,C526	0.047 μ F \pm 5%,50V,Plastic
Q527,Q528	2203052,	* 2SA1491-R,	C527,C528	220 μ F,16V,Elect.
	2202513,	* 2SA1695-O,	C581-C584	100 μ F,63V,Elect.
	2202516 or	* 2SA1695-P,	C585-C588	47 μ F,63V,Elect.
	2202514	* 2SA1695-Y	C589	0.1 μ F \pm 5%,50V,Plastic
Q1515	2211733 or	2SC1845-E or	R1512,R1514	82 Ω \pm 5%,1/2W,Metal oxide
	2211732	2SC1845-F	R1513,R1515	68 Ω \pm 5%,1/2W,Metal oxide
Q1551	2211793 or	2SA992-E or	R1516	82 Ω \pm 5%,1/2W,Metal oxide
	2211792	2SA992-F	R1519	N06HR2.2KBE,Trimming
Q1552,Q1553	2211733 or	2SC1845-E or	R1522	150 Ω \pm 5%,1/2W,Metal oxide
	2211732	2SC1845-F	R1523,R1524	2.2 Ω \pm 5%,1/2W,Metal
Q1571	2212445	2SK365-GR	R1525	RGC55 0.22,Metal plate
Q1573	2212644 or	2SA1358-Y or	R1531	8.2 Ω \pm 5%,1W,Metal
	2212643	2SA1358-O	R1537,R1538	0.22 Ω \pm 5%,1/4W,Metal
Q1574,Q1591	2212115 or	2SC2458-GR or	R523-R526	82 Ω \pm 5%,1/2W,Metal oxide
	2213284	2SC1740S-R	R527-R530	68 Ω \pm 5%,1/2W,Metal oxide
Q507,Q508	2212115 or	2SC2458-GR or	R531,R532	82 Ω \pm 5%,1/2W,Metal oxide
	2213284	2SC1740S-R	R537,R538	N06HR2.2KBE,Trimming
Q509-Q514	2211353 or	2SA949-O or	R543,R544	150 Ω \pm 5%,1/2W,Metal oxide
	2211354	2SA949-Y	R545-R548	2.2 Ω \pm 5%,1/2W,Metal
Q515-Q518	2211633 or	2SC2229-O or	R549,R550	RGC55 0.22,Metal plate
	2211634	2SC2229-Y	R561,R562	8.2 Ω \pm 5%,1W,Metal
Q521,Q522	2203010	2SC5171	R581-R586	0.22 Ω \pm 5%,1/4W,Metal
Q523,Q524	2203000	2SA1930	R593,R594	390 Ω \pm 5%,1W,Metal oxide
Q529,Q530	2211733 or	2SC1845-E or		
	2211732	2SC1845-F		Relays
Q592	2213284 or	2SC1740S-R or	RL1591	NRL-2P5A-DC24-095,
	2212115	2SC2458-GR	RL592	NRL-2P5A-DC24-098 or
				NRL-2P5A-DC24-129
				Sockets
D1571,D1572	223163 or	1SS133 or	JL501a,JL507a	NSCT-6P897
D1574,D1576	223205	1SS270A	JL506a	NSCT-11P882
D1591,D592	223163 or	1SS133 or	JL509a	NSCT-3P874
	223205	1SS270A	JL510a	NSCT-4P895

NOTE: THE COMPONENTS IDENTIFIED BY MARK Δ
ARE CRITICAL FOR RISK OF FIRE AND
ELECTRIC SHOCK. REPLACE ONLY WITH
PART NUMBER SPECIFIED.

CAUTION: Replacement of the transistor of mark *, if necessary,
must be made from the same beta group (HFE) as the
original type.

CIRCUIT NO.	PART NO.	DESCRIPTION	CIRCUIT NO.	PART NO.	DESCRIPTION
		Plugs			Capacitors
JL508b	25055631	NPLG-10P593	C685-C688	354774709	47 μ F,63V,Elect.
P1501	25055038	NPLG-2P29	C689	354741009	10 μ F,16V,Elect.
P401a	25055139	NPLG-9P123			Resistors
P501,P502	25055038	NPLG-2P29	R623-R626	443528204	82 $\Omega \pm 5\%$,1/2W,Metal oxide
P503	25055099	NPLG-2P83	R627-R630	443526804	68 $\Omega \pm 5\%$,1/2W,Metal oxide
			R631,R632	443528204	82 $\Omega \pm 5\%$,1/2W,Metal oxide
			R637,R638	5210288	N06HR2.2KBE,Trimming
			R643,R644	443521514	150 $\Omega \pm 5\%$,1/2W,Metal oxide
			R645-R648	453530224	2.2 $\Omega \pm 5\%$,1/2W,Metal
Q601-Q604	2211732,	* 2SC1845-F,	R649,R650	4000132	RGC55 0.22
	2211733,	* 2SC1845-E,	R673,R674	453630824	8.2 $\Omega \pm 5\%$,1W,Metal
	2215115 or	* 2SC1775-E or	R681-R686	4500159	0.22 $\Omega \pm 5\%$,1/4W,Metal
	2215116	* 2SC1775-F			Relays
Q605,Q606	2211732,	2SC1845-F,	RL691,RL692	25065510,	NRL-2P5A-DC24-095,
	2211733,	2SC1845-E,		25065517 or	NRL-2P5A-DC24-098 or
	2215115 or	2SC1775-E or		25065563	NRL-2P5A-DC24-129
	2215116	2SC1775-F			Sockets
Q607,Q608	2212115 or	2SC2458-GR or	JL507b	25050283	NSCT-6P111
	2213284	2SC1740S-R	JL510b	25050281	NSCT-4P105
Q609-Q614	2211353 or	2SA949-O or	JL603a,JL942a	25051110	NSCT-6P897
	2211354	2SA949-Y			Plugs
Q615-Q618	2211633 or	2SC2229-O or	JL506b	25055632	NPLG-11P594
	2211634	2SC2229-Y	P601,P602	25055038	NPLG-2P29
Q621,Q622	2203010	2SC5171			POWER SUPPLY CIRCUIT PC BOARD (NAPS-6303-2A/2B/2C/2D)
Q623,Q624	2203000	2SA1930			CIRCUIT NO. PART NO. DESCRIPTION
Q625,Q626	2203063,	* 2SC5198-O,			
	2203062,	* 2SC5198-R,	Q921	2212115 or	Transistor 2SC2458-GR or
	2202523,	* 2SC4468-O,		2213284	2SC1740S-R
	2202526 or	* 2SC4468-P or	D925	223163 or	Diodes 1SS133 or
	2202524	* 2SC4468-Y		223205	1SS270A
Q627,Q628	2203053,	* 2SA1941-O,	D921-D924	22380032,	1SR139-100,
	2203052,	* 2SA1491-R,		22380035 or	GP104003E or
	2202513,	* 2SA1695-O,		22380260	RL1N4003
	2202516 or	* 2SA1695-P,			Power transformer
	2202514	* 2SA1695-Y	T902	2300670A	Δ NPT-1111D <D>
Q629,Q630	2211733 or	2SC1845-E or		2300671A	Δ NPT-1111P <P/T/A>
	2211732	2SC1845-F		2300672A	NPT-1111DG <W/R>
Q691,Q692	2212115 or	2SC2458-GR or			Capacitors
	2213284	2SC1740S-R	C901	3500191	Δ DE7150F-103M, IS
		Diodes	C922	354742219	220 μ F,16V,Elect.
D681,D682	22380032,	1SR139-100,			Resistor
	22380035 or	GP104003E or	R901	431533355	Δ RC1/2GFKUL-3.3M,Solid <D>
	22380260	RL1N4003	R921	453530824	8.2 $\Omega \pm 5\%$,1/2W,Metal
D691,D692	223163 or	1SS133 or			Fuses
	223205	1SS270A	F901	252198	Δ 8A-UL, Fuse <D/W/R>
		Coils	F902	252077	Δ 4A-SE-EAK,Fuse <P/T/W/A/R>
L601,L602	231176S	S-1.3C <P/T/W/R/A>	F903	252075	Δ 2.5A-SE-EAK,Fuse <P/T>
		Capacitors	F901a	25050065	Δ YSH403T <D/W/R>
C601,C602	354744709	47 μ F,16V,Elect.	F902a	25050065	Δ YSH403T <P/T/A/W/R>
C607,C608	354722219	220 μ F,6.3V,Elect.	F903a	25050065	Δ YSH403T <P/T>
C617,C618	354781009	10 μ F,50V,Elect.			Fuseholders
C623,C624	374721044	0.1 μ F $\pm 5\%$,50V,Plastic	JL1701b	25050267	Socket NSCT-3P95
C635,C636	354742219	220 μ F,16V,Elect.			
C662	374731044	0.1 μ F $\pm 5\%$,100V,Plastic			
C663,C664	3504342	15000 μ F,56V,Elect.			
C681-C684	354771019	100 μ F,63V,Elect.			

CIRCUIT NO.	PART NO.	DESCRIPTION	CIRCUIT NO.	PART NO.	DESCRIPTION
		AC outlet			ICs
P902	25051125	△ NSCT-4P912 <P/T/W/R>	Q801-Q803	22240581R1	NJM4565M
	25051126	△ NSCT-4P913 <D>	Q804	22240981R2	TC9162AF
	25052115	△ NSCT-2P2013 <A>	Q805-Q807	22240581R1	NJM4565M
		Plug	Q808	22241221R2	TC9164AF
P901a	25055675	△ NPLG-2P631	Q809,Q810	22240581R1	NJM4565M
		Relay	Q812	22240943R2	TC9163AF
RL901	25065508,	△ NRL-1P10A-DC12-093,	Q813	22240581R1	NJM4565M
	25065526,	△ NRL-1P5A-DC12-102,	U701	24120037	TORX178A
	25065561 or	△ NRL-1P5A-DC12-127 or	Q983	24120043	ON3131 <D>
	25065515	△ NRL-1P5A-DC12-096			Transistors
		Switch	Q981,Q982	221282 or	DTC144ES or
S901	25065437	△ NSS-22157P <W/R>		2213560	RN1204
PRIMARY CIRCUIT PC BOARD (NAETC-6305-2A/2B/2C/2D)			Q984	2213510 or	DTA114ES or
CIRCUIT NO. PART NO. DESCRIPTION				2214350	RN2202 <D>
C665	374731044	0.1 μF±5%,100V,Plastic capacitor	Q985	2212115 or	2SC2458-GR or
R941,R942	453532294	0.22 Ω±5%,1/2W,Metal resistor		2213284	2SC1740S-R <D>
R944,R945	453530104	1 Ω±5%,1/2W,Metal resistor	D761-D764	223234R2	1SS352
R946	453532294	0.22 Ω±5%,1/2W,Metal resistor	D983,D984	223234R2	1SS352 <D>
JL941b	25050284	NSCT-7P112,Socket	D981-D983	223234R2	1SS352 <P/T/W/R/A>
JL942b	25051110	NSCT-6P897,Socket			Coils
THERMAL DETECTOR PC BOARDS (NAETC-6306/6307/6308/6309/6310-2A/2B/2C/2D)			L708,L709	231237K100R2	NCH-1475
CIRCUIT NO. PART NO. DESCRIPTION			L710	231237M022R2	NCH-1471
		Transistors	X701	3010279	XIL-18.432M
Q519,Q520	2212653 or	2SC3421-O or			Capacitors
Q1510	2212654	2SC3421-Y	C471-C473	354744709	47 μF,16V,Elect.
Q619,Q620	2212653 or	2SC3421-O or	C474-C479	374721224	1200pF±5%,50V,Plastic
	2212654	2SC3421-Y	C480-C482	374722224	2200pF±5%,50V,Plastic
			C701	355721019	100 μF,6.3V,Elect.
POWER SWITCH PC BOARD (NASW-6311-2B/2C/2D)			C711	354742209	22 μF,16V,Elect.
CIRCUIT NO. PART NO. DESCRIPTION			C713,C736	374721044	0.1 μF±5%,50V,Plastic
C906	3500191	△ DE7150F-103M,JS capacitor <P/T/W/R/A>	C714	374728224	8200pF±5%,50V,Plastic
C906a	27301216	△ SB1925A,Cover, capacitor <P/T/W/R/A>	C721-C724	354741009	10 μF,16V,Elect.
S906	25035550	△ NPS-111-LS12P,Power switch <P/T/W/R/A>	C740,C742	354721019	100 μF,6.3V,Elect.
			C783-C786	354744709	47 μF,16V,Elect.
			C793,C794	354741009	10 μF,16V,Elect.
			C801-C806	354781009	10 μF,50V,Elect.
THERMAL DET. PC BOARD(NAETC-6314-2A/2B/2C/2D)			C813-C818	374723324	3300pF±5%,50V,Plastic
CIRCUIT NO. PART NO. DESCRIPTION			C819-C824	374721524	1500pF±5%,50V,Plastic
JL509b	25051087	NSCT-3P874,Socket	C825-C830	374721024	1000pF±5%,50V,Plastic
R1577	4000150	PT19M04BC222TS2F333, Thermistor	C851-C860	374722244	0.22 μF±5%,50V,Plastic
			C861-C866	354780229	2.2 μF,50V,Elect.
			C881	374721034	0.01 μF±5%,50V,Plastic
MAIN CIRCUIT PC BOARD (NADG-6316-2A/2B)			C882,C886	374722244	0.22 μF±5%,50V,Plastic
CIRCUIT NO. PART NO. DESCRIPTION			C883	374724734	0.047 μF±5%,50V,Plastic
		ICs	C884	374721244	0.12 μF±5%,50V,Plastic
Q471-Q473	22240581R1	NJM4565M	C885	374722234	0.022 μF±5%,50V,Plastic
Q701	222740046R1TO	74HCU04(TC74HCU04F)	C982	354741009	10 μF,16V,Elect.
Q702	22241218R3	CS4226-KQ	C983	354741009	10 μF,16V,Elect. <D>
Q703	22241219R3 or	DSPF56009FJ88 or			
	22241235R3	XCF56009FJ88			
Q704	22241101R2	LC32464M-80			
Q761-Q764	22240581R1	NJM4565M			
Q791,Q792	222780055	78M05HF			

CIRCUIT NO.	PART NO.	DESCRIPTION	CIRCUIT NO.	PART NO.	DESCRIPTION			
Terminals								
P703	25045303 or 25045537	NPJ-4PDBL162 or NPJ-4PDWR361	C365,C366	354742209	22 μ F,16V,Elect.			
P701,P702	25045473	NPJ-1PDBL291	C371,C372	354780229	2.2 μ F,50V,Elect.			
P981	25045504	NPJ-1PDBL319	C379-C382	374721044	0.1 μ F \pm 5%,50V,Plastic			
P704	25045549	NPJ-2PDBL370	C383,C384	374721534	0.015 μ F \pm 5%,50V,Plastic			
P982	25045293 25045433	HSJ1003-01-012 <P/T/W/R/A> HSJ1003-01-013 <D>	C385,C386	354744709	47 μ F,16V,Elect.			
P711,P712	25051241	NSCT-20P1031	C397,C398	354744709	47 μ F,16V,Elect.			
PREAMPLIFIER CIRCUIT PC BOARD (NAAF-6317-2A/2B)								
CIRCUIT NO.	PART NO.	DESCRIPTION	C406,C416	354744709	47 μ F,16V,Elect.			
ICs								
Q1301,Q1371	22240581R1	NJM4565M	C410,C430	354741009	10 μ F,16V,Elect.			
Q304	22241221R2	TC9164AF	C426,C436	354744709	47 μ F,16V,Elect.			
Q305	22240829	TC9274N-008	C431,C441	354780229	2.2 μ F,50V,Elect.			
Q306,Q307	22240581R1	NJM4565M	C440	354741009	10 μ F,16V,Elect.			
Q321-Q323	22241220R2	TC9459F	C446,C456	354744709	47 μ F,16V,Elect.			
Q371,Q372	22240581R1	NJM4565M	C451	354780229	2.2 μ F,50V,Elect.			
Q401,Q421	22240581R1	NJM4565M	Socket					
Q441	22240581R1	NJM4565M	JL307b	25050271	NSCT-7P99			
Transistors								
Q1372	2211945	2SK246-GR	P311	25051240	NSCT-15P1030			
Q308,Q375	2213510 or 2214350	DTA114ES or RN2202	P312	25051527	NSCT-16P1314			
Q309	2213816, 2212355, 2212356 or 2213815	2SD1450-T, 2SD1302-S, 2SD1302-T or 2SD1450-S	P313	25051528	NSCT-17P1315			
Q373,Q374	2211945	2SK246-GR	P401	2009990505UL	NSAS-18P0667			
Q402,Q403	2213631 or	RN1241-A or	Terminals					
Q412,Q413	2213632	RN1241-B	P304-P306	25045552 or 25045553	NPJ-6PDRW371 or NPJ-6PDRW372			
Q404,Q405	2213510 or	DTA114ES or	FRONT/CENTER SPEAKER TERMINAL PC BOARD (NAETC-6318-2A/2B)					
Q424,Q425	2214350	RN2202	C1581-C1583	374721034	0.01 μ F \pm 5%,50V,Plastic capacitor <P/T/W/R/A>			
Q422,Q423	2213631 or	RN1241-A or	JL501b,JL603c	25050270	NSCT-6P98,Socket			
Q432,Q433	2213632	RN1241-B	P1581	25060284	NTM-6PDMM215,Terminal			
Q434,Q435	2213510 or	DTA114ES or	REAR/REMOTE SPEAKER TERMINAL PC BOARD (NAETC-6320-2A/2B)					
Q454	2214350	RN2202	C631-C634	374721034	0.01 μ F \pm 5%,50V,Plastic capacitor <P/T/W/R/A>			
Q442,Q443	2213631 or	RN1241-A or	P612	25060158 or 25060224	NTM-8PDML084 or NTM-8PDML146,Terminal			
Q452,Q453	2213632	RN1241-B	MICROPROCESSOR CIRCUIT PC BOARD (NAAR-6322-2A/2B/2C/2D)					
Diodes								
D1301,D1302	223234R2	1SS352	ICs					
D1371	223234R2	1SS352	Q1701	22241285	MPD78058GC-B09-8BT			
D371,D372	223234R2	1SS352	Q951	222780125	78M12HF			
D401	223234R2	1SS352	Q952	222790125	79M12HF			
D421,D431	223234R2	1SS352	Q954	222780055	78M05HF			
Capacitors								
C1301-C1304	354741009	10 μ F,16V,Elect.	Q955	222780565JRC	78M56(NJM78M56FA)			
C1306	374721034	0.01 μ F \pm 5%,50V,Plastic	Transistors					
C1307	354741009	10 μ F,16V,Elect.	Q1702	221282 or 2213560	DTC144ES or RN1204			
C1371	354780229	2.2 μ F,50V,Elect.	Q1703	2213510 or 2214350	DTA114ES or RN2202			
C1375,C1376	374721044	0.1 μ F \pm 5%,50V,Plastic	Q956	2211455	2SA1015-GR			
C345,C346	354741009	10 μ F,16V,Elect.	Q957	2211255	2SC1815-GR			
C351,C352	354744709	47 μ F,16V,Elect.						
C355,C356	354744709	47 μ F,16V,Elect.						
C359,C360	354744709	47 μ F,16V,Elect.						
C361,C362	354742209	22 μ F,16V,Elect.						

CIRCUIT NO.	PART NO.	DESCRIPTION	COMPOSITE VIDEO SIGNAL PC BOARD (NAVD-6323-2A/2B/2C/2D)		
			CIRCUIT NO.	PART NO.	DESCRIPTION
	Diodes			IC	
D1701-D1703	223163 or	1SS133 or	Q230	22240373	BA7625
D1705,D1706	223205	1SS270A		Transistors	
D1704	224470623	MTZJ6.2C	Q224	2213640 or	DTC123JS or
D1707	224470562	MTZJ5.6B		2214660	RN1205
D1708	224470512	MTZJ5.1B	Q226	2212285 or	2SC2878-A or
D952-D955	22380003	1N5402F		2212286	2SC2878-B
D956	223163 or	1SS133 or	Q227	2213830	DTB113ZS
D961-D963	223205	1SS270A	Q228,Q234	2212125 or	2SA1048-GR or
D957-D959	22380032,	1SR139-100,		2213354	2SA933S-R
D965-D968	22380035 or	GP104003E or	Q235	2213640	DTC123JS
	22380260	RL1N4003	Q229		Diodes
D960	224473604	MTZJ36D			MTZJ12C
	Coil		D212	224471203	
L1701	233454K220	NCH-1452 220K	D214,D215	223163 or	1SS133 or
	Crystal			223205	1SS270A
X1701	3010242	CST5.00MGW		Capacitors	
	Capacitors		C259-C261	354780229	2.2 μ F,50V,Elect.
C1701,C1704	354721019	100 μ F,6.3V,Elect.	C266-C268	354724719	470 μ F,6.3V,Elect.
C1702	3000076 or	EECSS5R5T104 or	C271	354721029	1000 μ F,6.3V,Elect.
	3000078	DX-5R5L104		Terminals	
C1703	375524744	0.47 μ F \pm 5%,50V,Plastic	P210,P211	25045299	NPJ-3PDYE158
C1705	354780109	1 μ F,50V,Elect.	P213	25045567	NPJ-1PDBL382
C1707	354741009	10 μ F,16V,Elect.		Socket	
C953	3504213S	4700 μ F,35V,Elect.	P201b	25051235	NSCT-10P1025
C954	354761029	1000 μ F,35V,Elect.		DISPLAY CIRCUIT PC BOARD(NADIS-6326-2A/2B/2C/2D)	
C956,C958	354741009	10 μ F,16V,Elect.		CIRCUIT NO.	DESCRIPTION
C961	354744729	4700 μ F,16V,Elect.	Q1801	212190	FL tube
C965	354741009	10 μ F,16V,Elect.		D1801,D1802	14-ST-23GK
C966	354741029	1000 μ F,16V,Elect.	Q1802	22240685R9	IC
C968	354741009	10 μ F,16V,Elect.	U1801	241305	Remote sensor
C969	354762219	220 μ F,35V,Elect.	D1803	223163 or	GP1U281X
C970	354772219	220 μ F,63V,Elect.	D1805	223205	Diodes
C973	354754719	470 μ F,25V,Elect.		D1804	1SS133 or
	Resistors			D1803	1SS270A
R951,R952	452630334	3.3 Ω \pm 5%,1W,Metal	D1803	224471803	MTZJ18C
R953	452530684	6.8 Ω \pm 5%,1/2W,Metal	D1805	225290	SEL4110R
R955	452630334	3.3 Ω \pm 5%,1W,Metal		Capacitors	
R957,R958	442523304	33 Ω \pm 5%,1/2W,Metal oxide	C1802	375524744	0.47 μ F \pm 5%,50V,Plastic
R959	452530224	2.2 Ω \pm 5%,1/2W,Metal	C1803	354721019	100 μ F,6.3V,Elect.
R960	442522204	22 Ω \pm 5%,1/2W,Metal oxide	C1808	354781009	10 μ F,50V,Elect.
R963	453530104	1 Ω \pm 5%,1/2W,Metal	C1811	354741009	10 μ F,16V,Elect.
R964	443522204	22 Ω \pm 5%,1/2W,Metal oxide		Resistor	
R965	443523314	330 Ω \pm 5%,1/2W,Metal oxide	R1851	49163103414	10 Ω ,10K*14
	Sockets				Sockets
JL1701a	25051107	NSCT-3P894	JL1301b	25051108	NSCT-4P895
JL508a	25051094	NSCT-10P881	P1201	2009990309A	NSAS-10P0443
JL941a	25051111	NSCT-7P898	P1701b	25052073,	NSCT-27P1860,
P1701a	25052036,	NSCT-27P1823,		25050933,	NSCT-27P720,
	25050967,	NSCT-27P754,		25051331 or	NSCT-27P1120 or
	25051293 or	NSCT-27P1082 or		25051871	NSCT-27P1658
	25051834	NSCT-27P1621		Rotary encoder	
	Plugs		S1801	25065528	REB161PVB
P101a	25055650	NPLG-10P606 <D/T/W/R/A>			
	25055651	NPLG-12P607 <P>			
P1321a,P201a	25055706	NPLG-10P662			
P102a	25055805	NPLG-16P761			

CIRCUIT NO.	PART NO.	DESCRIPTION	CIRCUIT NO.	PART NO.	DESCRIPTION
		Push switches			Capacitors
S1811-S1840	25035652	NPS-111-S604	C142	354741019	100 μ F,16V,Elect.
S1841	25035652	NPS-111-S604 <P>	C143,C151	354780229	2.2 μ F,50V,Elect.
S1842	25035652	NPS-111-S604	C144	354780479	4.7 μ F,50V,Elect.
		Holders	C146,C148	354780109	1 μ F,50V,Elect.
Q1801a	27191001		C147,C167	354784799	0.47 μ F,50V,Elect.
U1801a	27191042		C153,C154	374722724	2700pF \pm 5%,50V,Plastic <P/T/W/R/A>
			C157,C158	374721024	1000pF \pm 5%,50V,Plastic <D>
		TUNER CIRCUIT PC BOARD (NARF-6327-1A/1B/2C/2D)	C159,C160	354742209	22 μ F,16V,Elect.
		CIRCUIT NO. PART NO.	C161,C162	374721224	1200pF \pm 5%,50V,Plastic <P/A>
		Front end		374721524	1500pF \pm 5%,50V,Plastic <T/W/R>
TU001	240131	ENV172D4G1 <D>		374723324	3300pF \pm 5%,50V,Plastic <D>
TU001	240132	ENV172D3G1 <P/T/W/R/A>	C163,C164	354742209	22 μ F,16V,Elect.
		ICs	C169	354744709	47 μ F,16V,Elect.
Q121	22240090 or 22241076	LM7001 or LM7001J	C170	374722234	0.022 μ F \pm 5%,50V,Plastic
Q141	22241151	LA1837	C173	374724734	0.047 μ F \pm 5%,50V,Plastic
Q185	22241124	BU1922 <P>	C177	354780339	3.3 μ F,50V,Elect.
		Transistors	C179	354742209	22 μ F,16V,Elect.
Q101	2210746	2SC945A-P <P/T/W/R/A>	C185	374725615	560pF \pm 10%,50V,Plastic <P>
Q102	2211723	2SC1923-O	C186,C190	354721019	100 μ F,6.3V,Elect. <P>
Q122	2212445	2SK365-GR			Resistors
Q123	2212115 or 2213284	2SC2458-GR or 2SC1740S-R	R1325	5210296	N06HR47KBE,Semi-fixed
Q142	2212115 or 2213284	2SC2458-GR or 2SC1740S-R <P>	R141	5210263	N06HR20KBC,Semi-fixed
Q124,Q145	2213510 or 2214350	DTA114ES or RN2202	R167	5210265	N06HR50KBC,Semi-fixed
Q143,Q144	2212794 or 2215024	2SD1468-R or 2SD1468S-R	S101	25065414	Switch
		Diodes	P101b	25050984	NSS-22155 <W/R>
D101	224470512	MTZJ5.1B		25050985	NSCT-10P771 <D/T/W/R/A>
D102	224470913	MTZJ9.1C			NSCT-12P772 <P>
		Coils	TP141	25055038	Plug
L141	233457	NFIF-4081			NPLG-2P29
L142	233458	NFIF-4082	P103	25060117 or	Terminal
L143,L144	233484	NMC-4085 <P/T/W/R/A>		25060270	NTM-2PDML051 or
L145,L146	231092	NCH-2140 <D>		25060195 or	NTM-2PDML201 <P/T/W/R/A>
L171	232174	NMRF-5077		25060272	NTM-4PDML117 or
L172	232139	NMIF-4062			NTM-4PDML203 <D>
L185	233454M022	NCH-1452 022M <P>	TU001a	27150432	Shield plate
		Ceramic filters			<P/T/W/R/A>
X101	3010071	SFE-10.7MA5 RED			MASTER VOLUME PC BOARD (NAETC-6328-2A/2B/2C/2D)
X102	3010071	SFE-10.7MA5 RED <P/T/W/R/A>	Q1321	22240239	CIRCUIT NO. PART NO.
X103	3010071	SFE-10.7MA5 RED <D>	C1321	354721019	DESCRIPTION
X103	3010130	SFE10.7MZ2K <P/T/W/R/A>	R1321	5141449	100 μ F,6.3V,Elect. Capacitor
X171	3010123	SFZ450JL	P1321b	25051235	N16RGL20K25F,Variable resistor
		Crystals			NSCT-10P1025,Socket
X121	3010141	XTL-7.2M			TONE CONTROL PC BOARD (NAETC-6329-2A/2B/2C/2D)
X185	3010203	AF6146CG <P>	C399,C400	374721534	CIRCUIT NO. PART NO.
		Capacitors			DESCRIPTION
C002	354741009	10 μ F,16V,Elect.	R391,R392	5104356	0.015 μ F \pm 5%,50V
C126	374723334	0.033 μ F \pm 5%,50V,Plastic			Plastic capacitor
C127	354780229	2.2 μ F,50V,Elect.	JL307a	25051111	N14RLC100KWT20Z, Variable resistor
C128,C193	354741009	10 μ F,16V,Elect.			NSCT-7P898,Socket
C129	354782299	0.22 μ F,50V,Elect.			
C131	354721019	100 μ F,6.3V,Elect.			

HEADPHONE TERMINAL PC BOARD (NAETC-6331-2A/2B/2C/2D)

CIRCUIT NO.	PART NO.	DESCRIPTION
JL1301a	25051108	NSCT-4P895,Socket
P1301	25045514	YKB26-5005,Headphone terminal

INPUT TERMINAL PC BOARD (NAAF-6332-2A/2B/2C/2D)

CIRCUIT NO.	PART NO.	DESCRIPTION
IC		
Q301	22240191	NJM4565D-D
Capacitors		
C303,C304	354741009	10 μ F,16V,Elect.
C305,C306	354741019	100 μ F,16V,Elect.
C307,C308	374726824	6800pF \pm 5%,50V,Plastic
C309,C310	374721824	1800pF \pm 5%,50V,Plastic
C311,C312	354741009	10 μ F,16V,Elect.
C341,C342	354741009	10 μ F,16V,Elect.
Socket		
P102b	25051527	NSCT-16P1314
Terminals		
P301	25045469 or 2504554	NPJ-4PDBL287 NPJ-4PDRW373

NOTE: <D>:120V model only

<P>:European model only

<T>:Asian model only

<W>:Worldwide model only

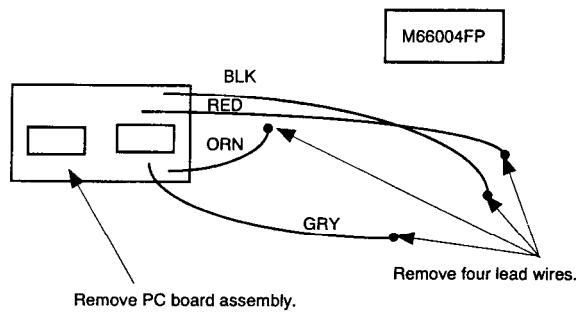
<R>:Chinease model only

<A>:Australian model only

Replacing the microprocessor

These units are used the microprocessor of two types.
(MPD78058GC-B01 or MPD78058GC-B09)

When you replace the microprocessor MPD78058GC-B01,
use the microprocessor MPD78058GC-B09 instead of it.
At the same time you are necessary to remove PC board
assembly as shown below.

DISPLAY PC BOARD

ADJUSTMENT PROCEDURES

Preparation

1. Input

FM mono: 1kHz, 75kHz devi., 60dB/ μ V
 FM stereo: 1kHz, 75kHz devi., 60dB/ μ V
 Pilot signal 19kHz 7.5kHz devi.
 AM: 400Hz, 30% mod.

2. Outputs

Connect the non-inductive type resistor of 8 ohms to the all speaker terminals unless otherwise noted.

Idling Current Adjustment

Connect the DC voltmeter to the terminals P501, P502, and P1501 (V_{CT} and I_{ID}) on Front/Center power amp. pc board. After turn POWER on, adjust the trim resistors R537, R538, and R1519 so that the indicator of voltmeter becomes 1.0mV.

Connect the DC voltmeter to the terminals P601 and P602 (V_{CT} and I_{ID}) on Surround power amp. pc board. After turn POWER on, adjust the trim resistors R637, and R638 so that the indicator of voltmeter becomes 1.0mV.

Allow the unit to warm up for about 5 minutes and check the voltage of these terminals.

When the voltage is less than 6.0mV, adjust trim resistors so that the indicator of voltmeter becomes 6.0mV.

When the voltage is 6.0mV to 7.5mV, you are not neccessary to adjust.

When the voltage is more than 7.5mV, adjust trim resistors so that the indicator of voltmeter becomes 7.5mV.

Note: No load, No signal

Master Volume Adjustment

Set the unit to the test mode "TEST-2-10" and set MASTER VOLUME to the center position.

Adjust R1325 so that the indicator of volume on FL tube becomes 0dB.

Test Mode(TEST-2-10)

Press and hold down the CD button, then press the SPEAKERS MAIN and REMOTE buttons at the same time. During "TEST-" is displayed on FL tube, press the VIDEO 2 button.

Then press the MULTI-CH INPUT button 10 times.

FM ADJUSTMENT

Item	Step	Connection of instrument	FM SG output	Stereo modulator output	Tuning frequency	Output indicator	Adjustment point	Adjust for	Remarks
FM IF/RF	1	Fig.1	99.0MHz 1kHz 75kHz devi. 65dBf(60dB)	—	99.0MHz	DC voltmeter	L141	$0 \pm 20\text{mV}$	FM MUTE/MODE switch:ON/STEREO Repeat the steps 1 and 2 until no further adjustment is necessary.
	2					Distortion analyzer	L142	Minimum	
Stereo Distortion		Fig.2	99.0MHz Ext. mod. 65dBf(60dB)	Channel L or R 1kHz	99.0MHz	Distortion analyzer	IIFT on the front end	Minimum	Don't turn more than $\pm 180^\circ$.
Stereo Separation	1	Fig.2	99.0MHz Ext. mod. 65dBf(60dB)	Channel L 1kHz	99.0MHz	Channel R AC voltmeter	R167	Minimum	Maximum and same separation
	2			Channel R 1kHz		Channel L AC voltmeter		Minimum	
Muting Level		Fig.3	99.0MHz 19.2dBf(14dB)	—	99.0MHz	Oscilloscope	R141	Signal output	

AM ADJUSTMENT

120V model

Step	AM SG output	Tuning Frequency	Output Indicator	Adjustment point	Adjust for
1		530kHz	Digital DC voltmeter	OSC coil on RF block L171	$1.4 \pm 0.2\text{V}$
2	600kHz 400Hz 30% mod. 60dB/m	600kHz	AC voltmeter	RF coil on RF block L171	Maximum
3	990kHz 400Hz 30% mod. 60dB/m	990kHz	AC voltmeter	L172	Maximum

230V and Worldwide models

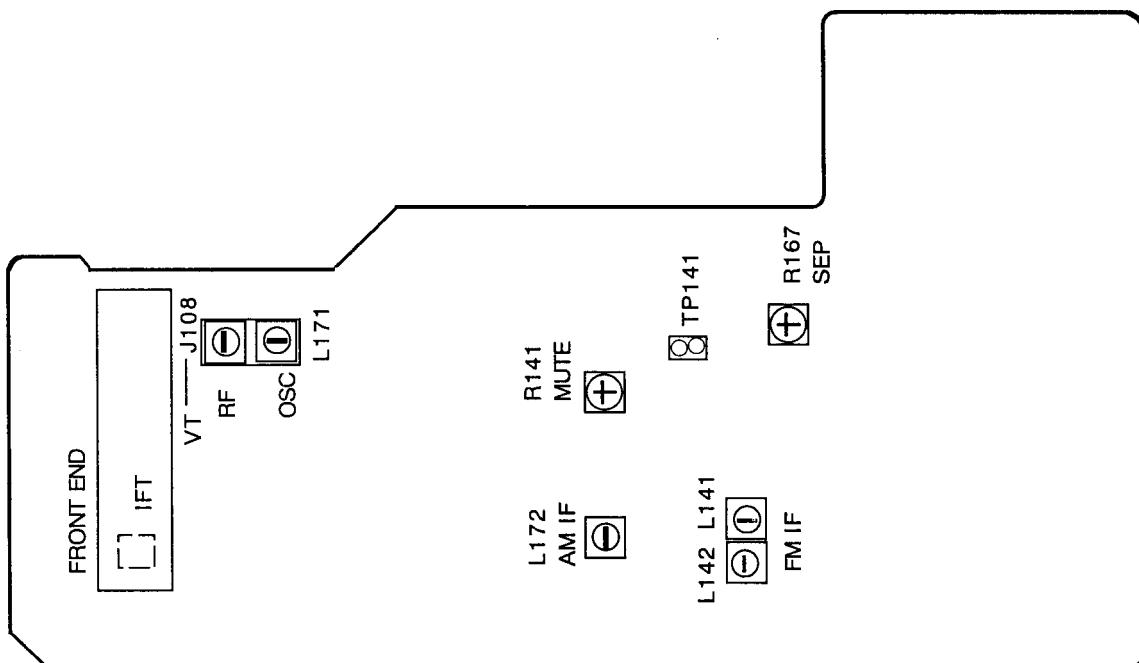
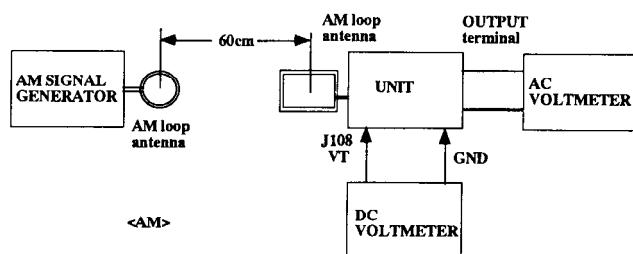
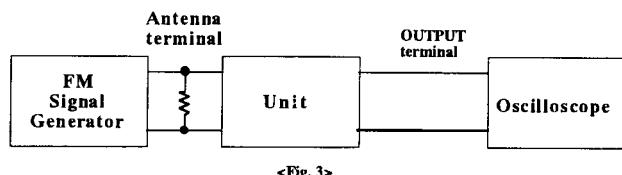
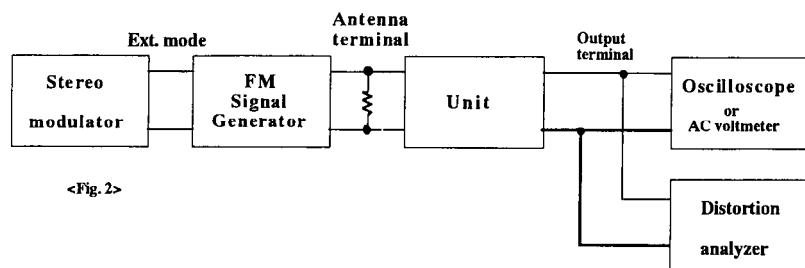
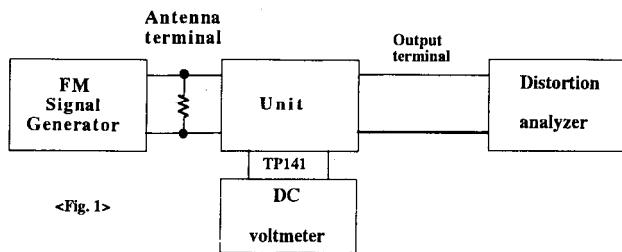
Step	AM SG output	Tuning Frequency	Output Indicator	Adjustment point	Adjust for
1		522kHz or 531kHz	Digital DC voltmeter	OSC coil on RF block L171	$1.4 \pm 0.2\text{V}$
2	603kHz 400Hz 30% mod. 60dB/m	603kHz	AC voltmeter	RF coil on RF block L171	Maximum
3	999kHz 400Hz 30% mod. 60dB/m	999kHz	AC voltmeter	L172	Maximum

Reference Specification

FM tuned voltage: 87.50MHz~108.00MHz
More than 1.3V~Less than 9V
AM tuned voltage: 530kHz~1710kHz
 $1.4 \pm 0.4 \sim$ Less than 9.0V

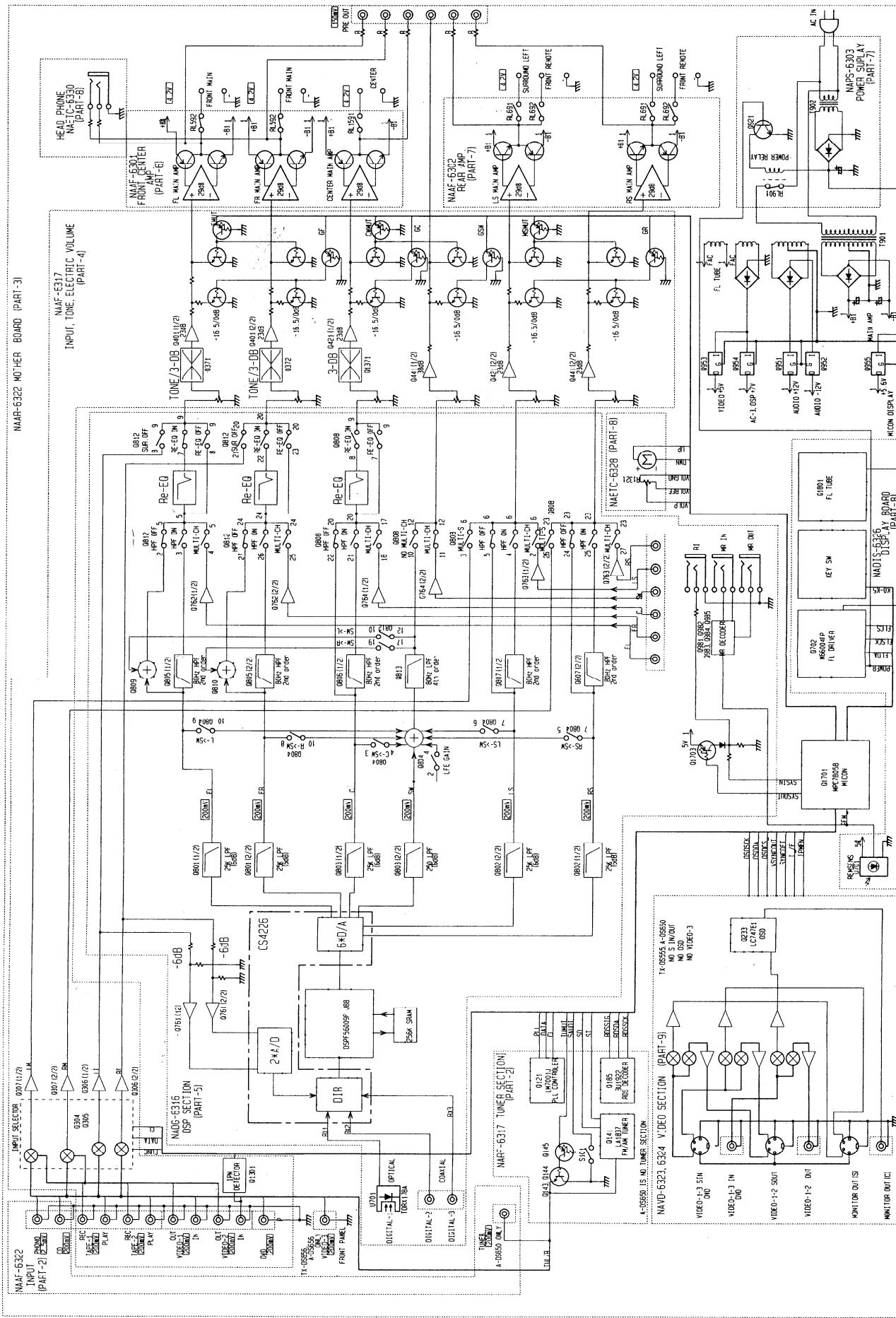
Reference Specification

FM tuned voltage: 87.50MHz~108.00MHz
More than 1.3V~Less than 9V
AM tuned voltage: 522kHz~1611kHz
 $1.4 \pm 0.4 \sim$ Less than 9.0V
(230V model)
AM tuned voltage: 531kHz~1602kHz
 $1.4 \pm 0.4 \sim$ Less than 9.0V
(Worldwide model)



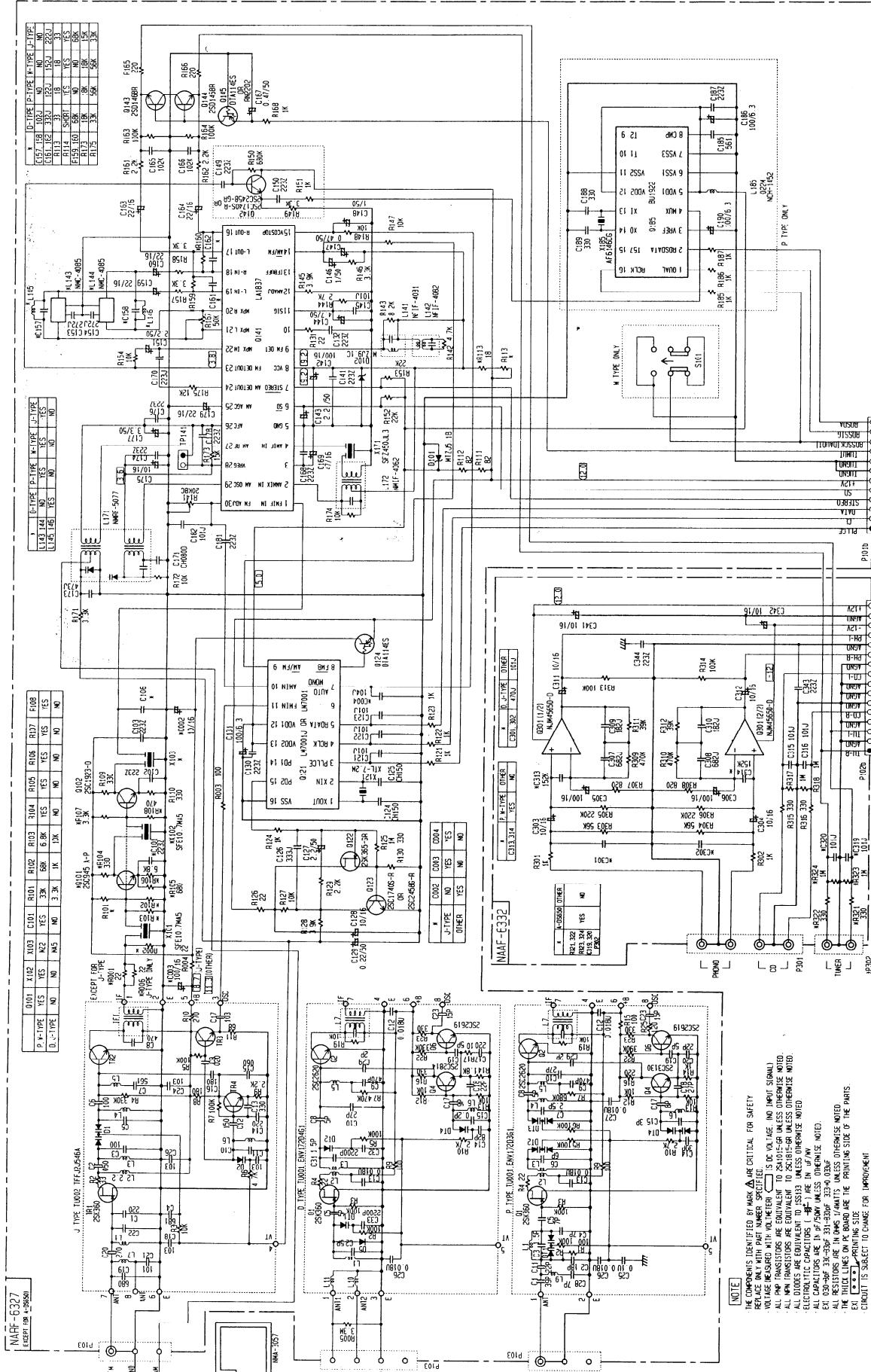
SCHEMATIC DIAGRAM

H G E D C B A



SCHEMATIC DIAGRAM

A B C D E F G H



SCHEMATIC DIAGRAM

H

G

F

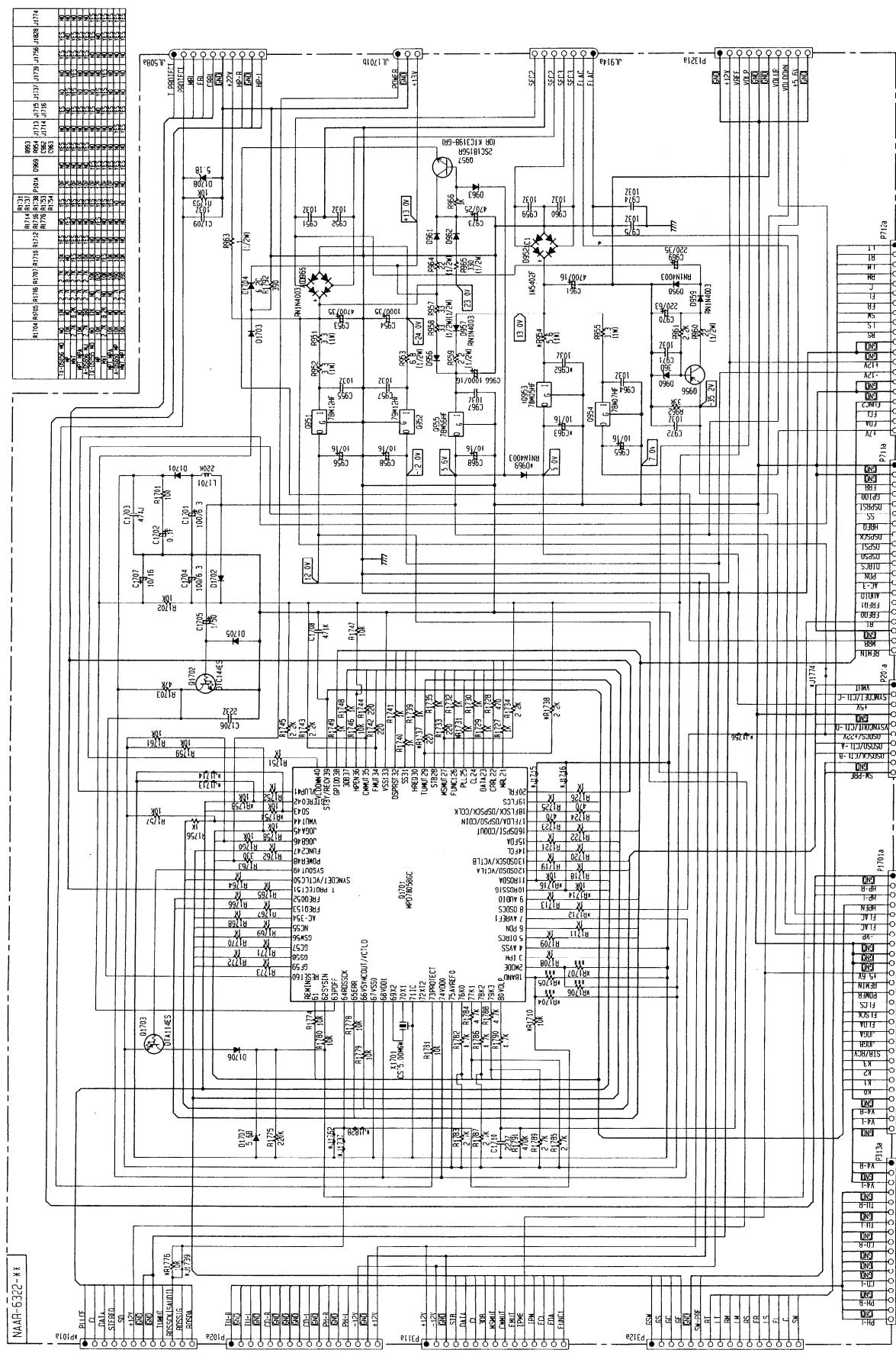
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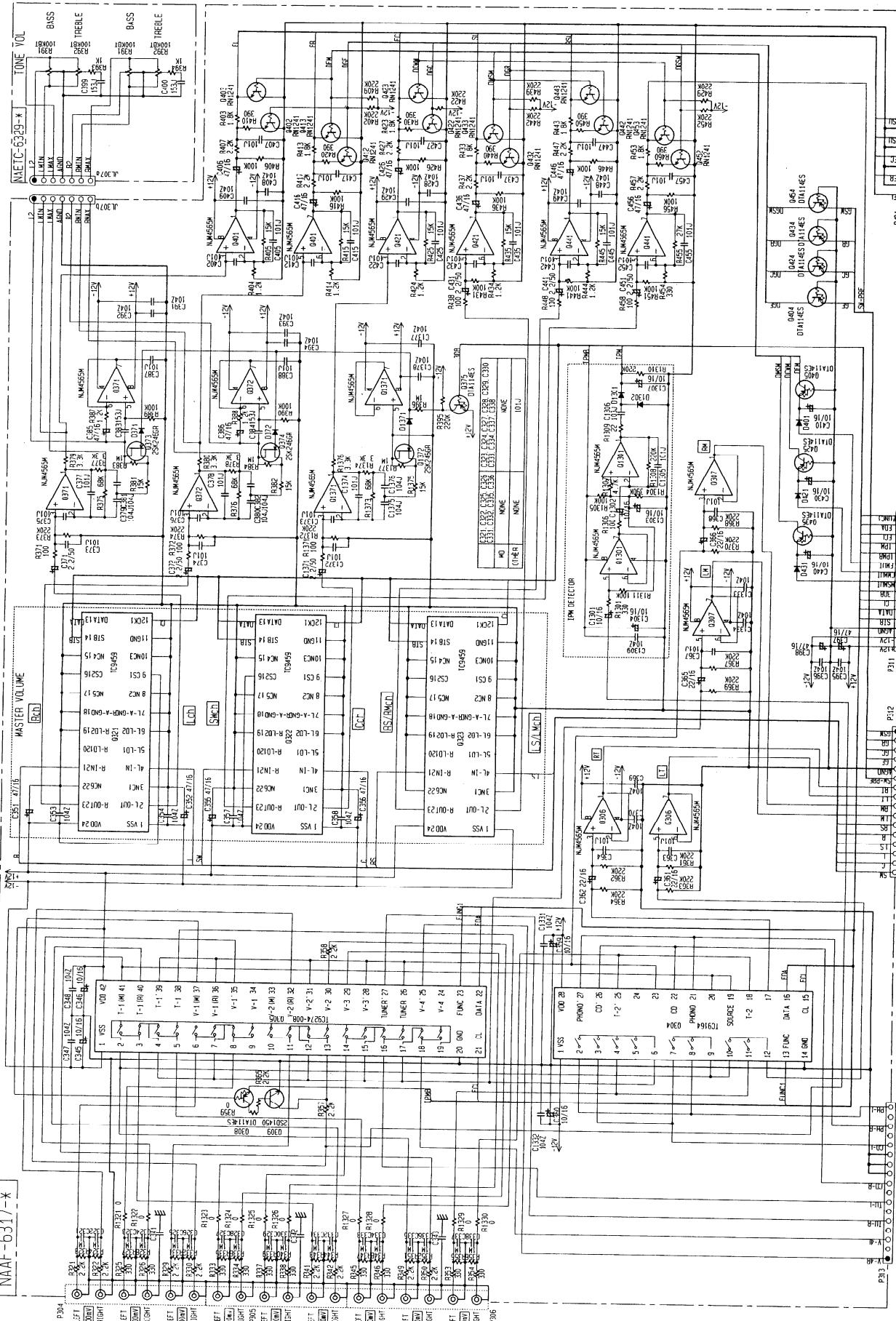
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SCHEMATIC DIAGRAM

NAAF-6317-*



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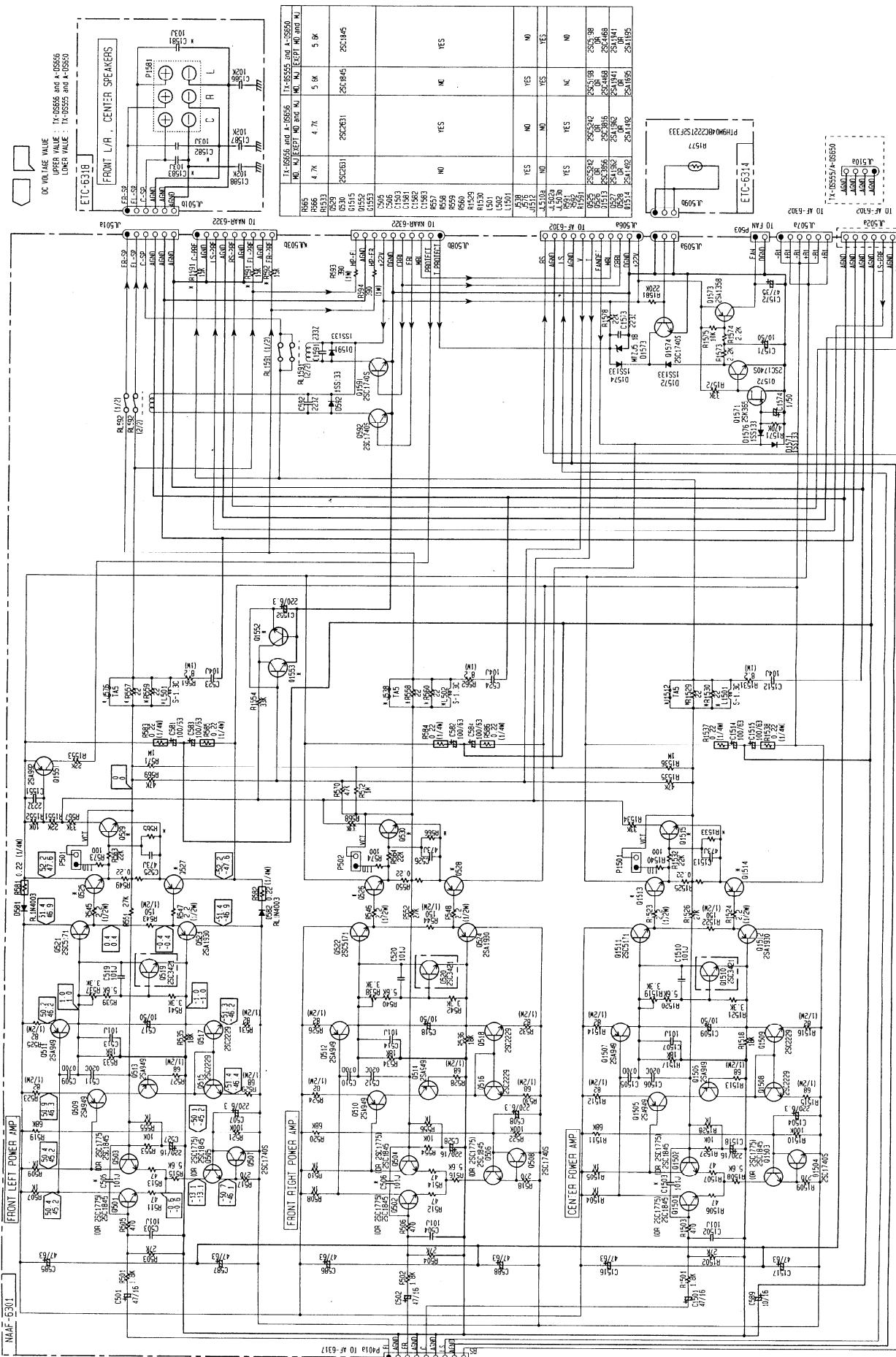
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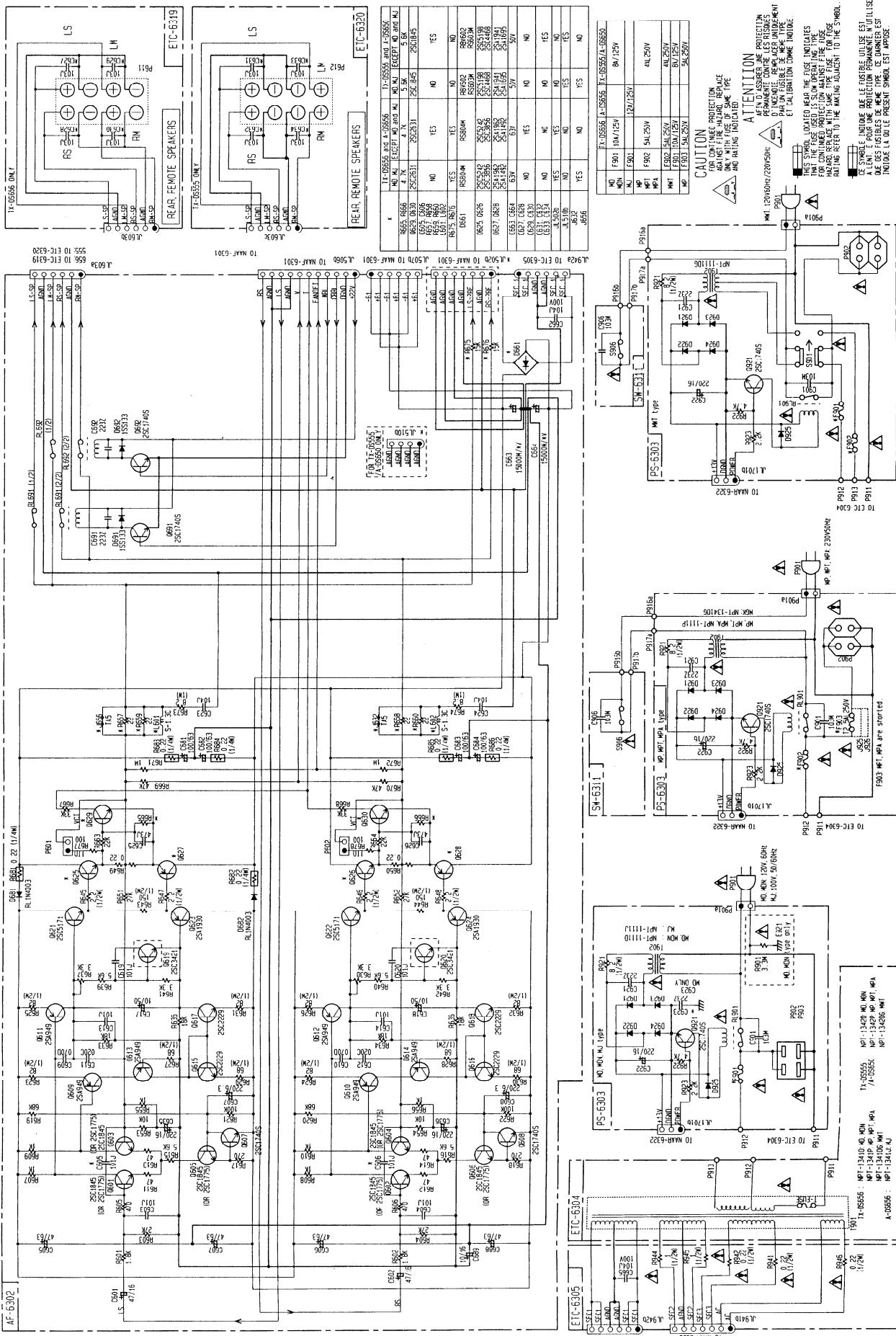
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max

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SCHEMATIC DIAGRAM

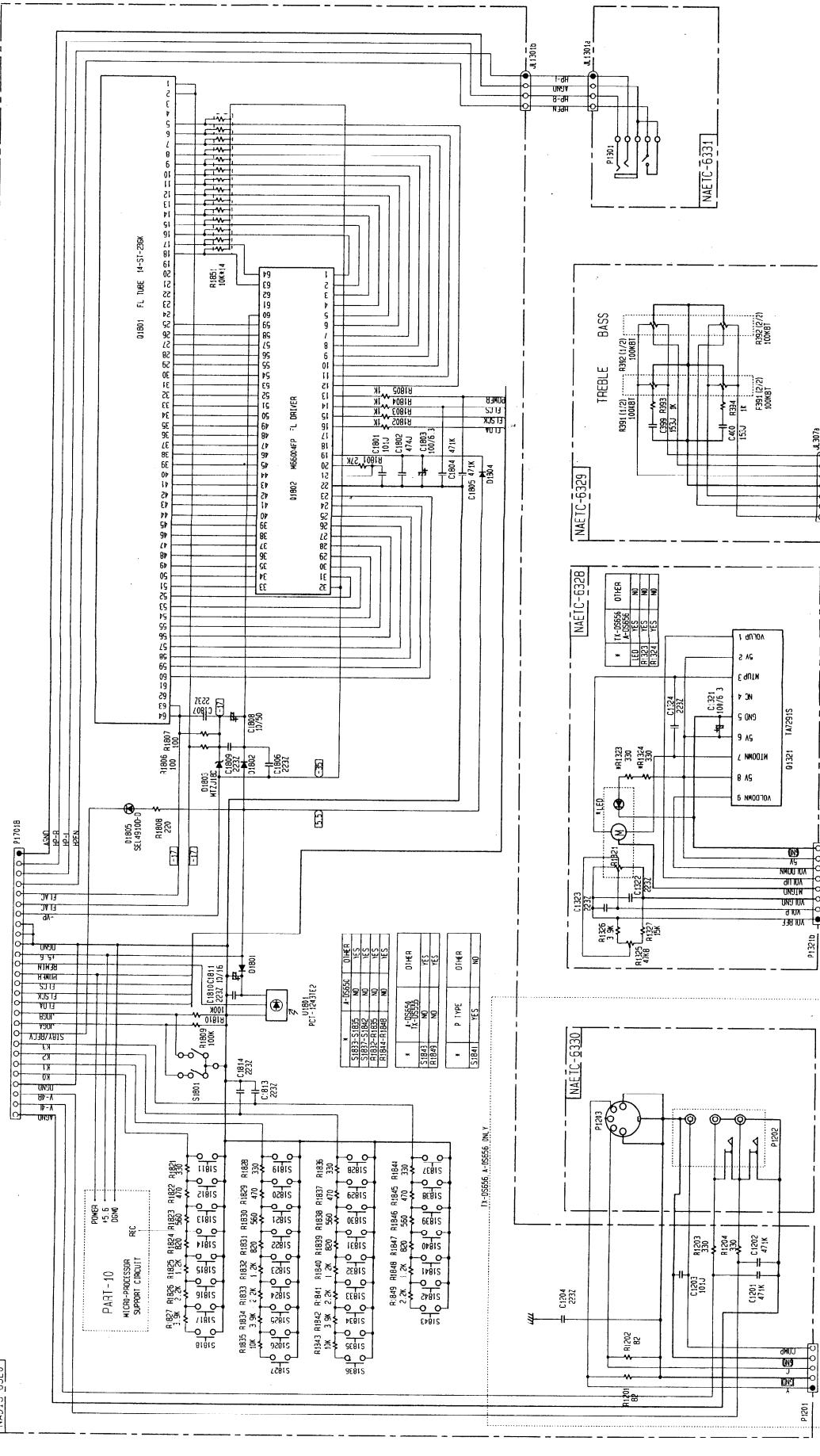


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SCHEMATIC DIAGRAM

N471S-6326



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SCHEMATIC DIAGRAM

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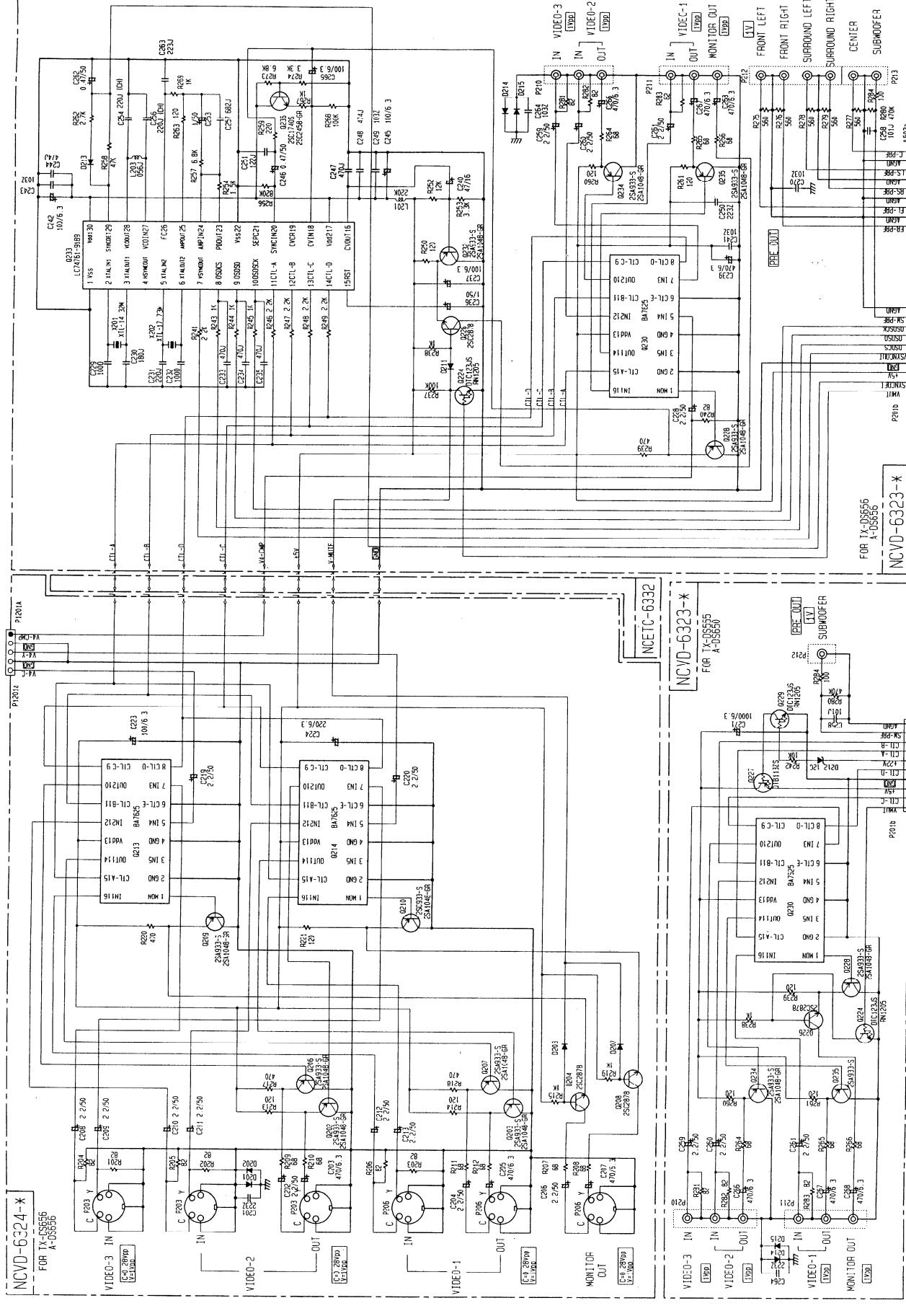
E

D

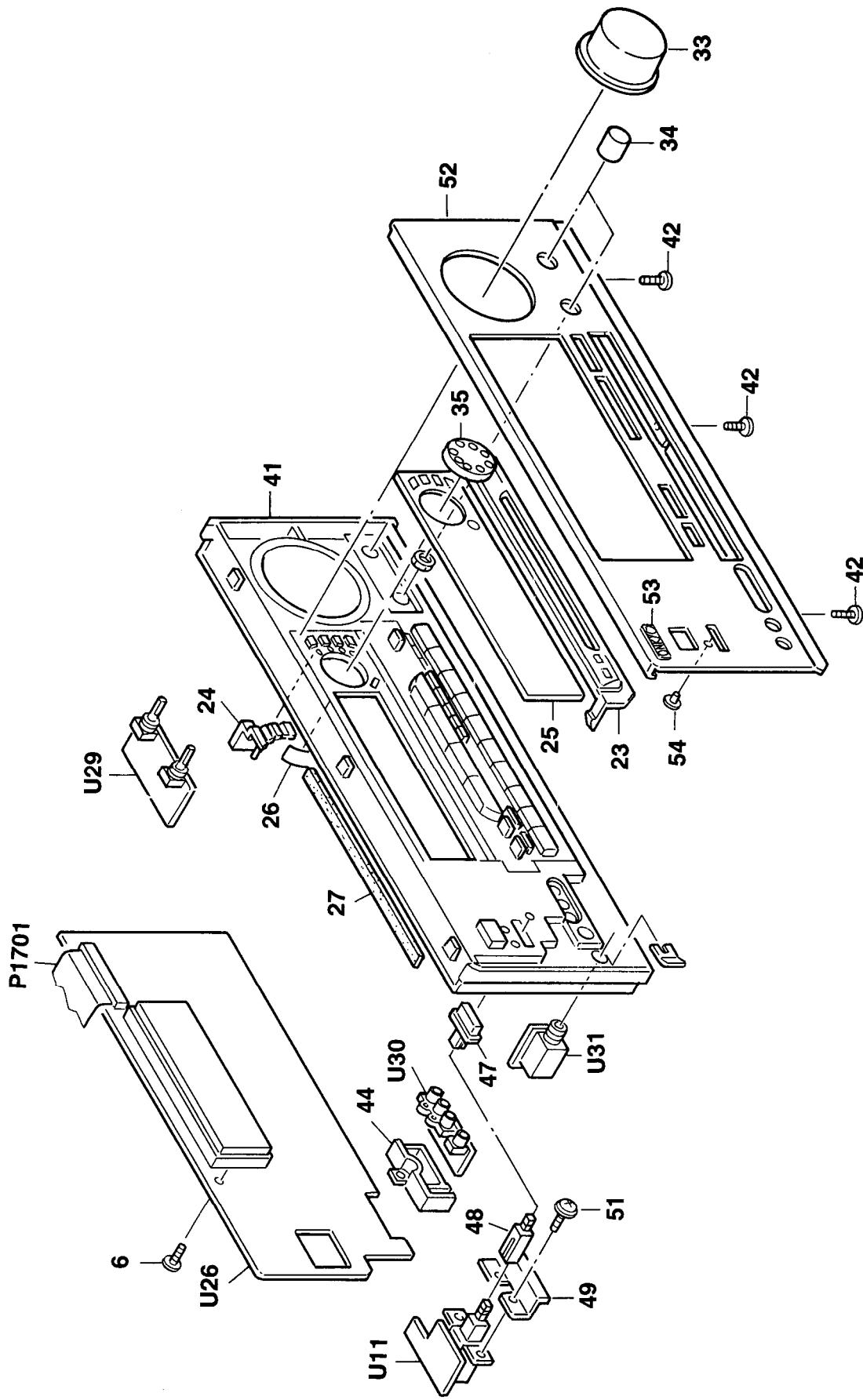
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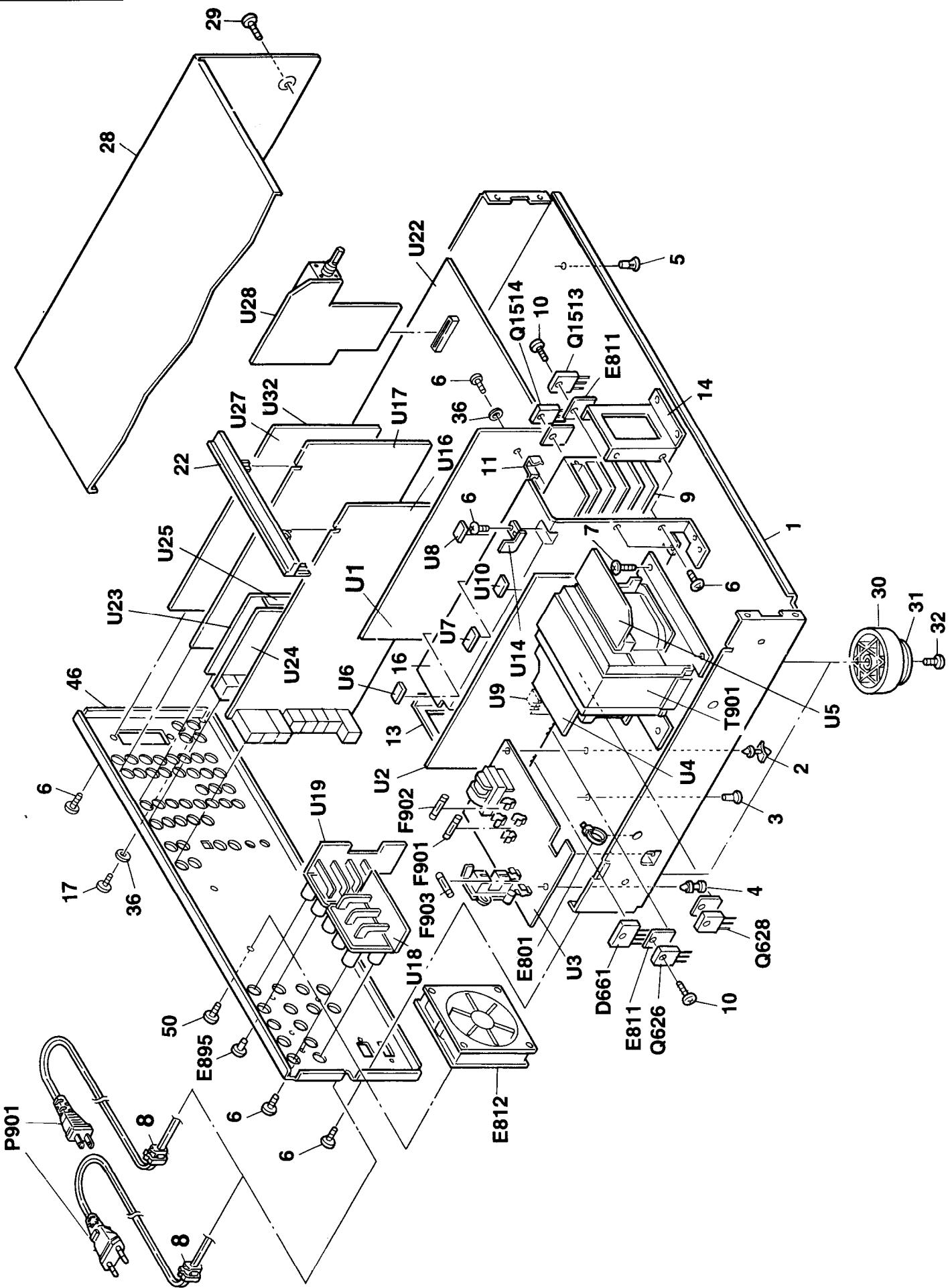
B

A

NCVD-6324-X
 FOR TX-DS556
 A-D556


EXPLODED VIEW





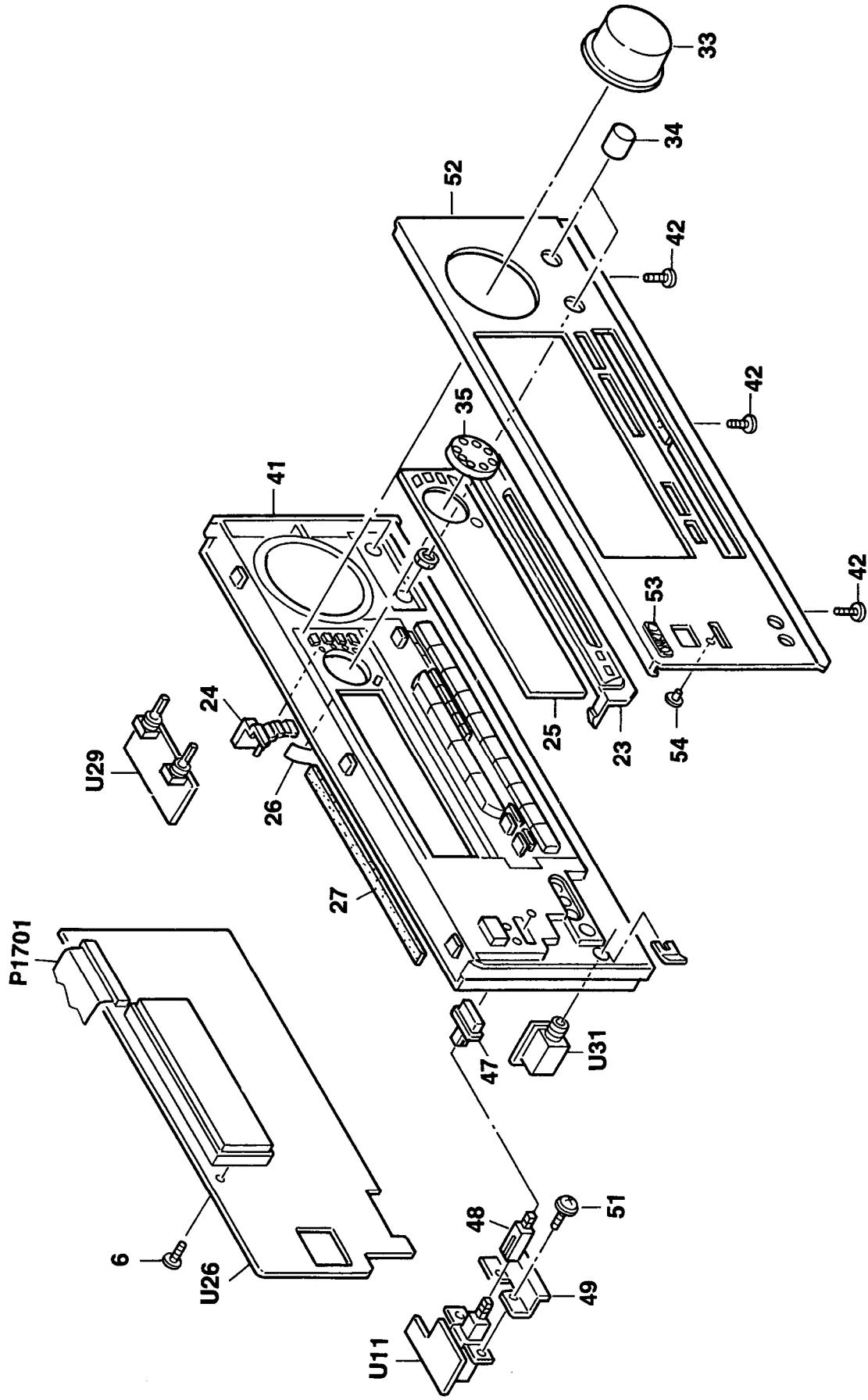
PARTS LIST

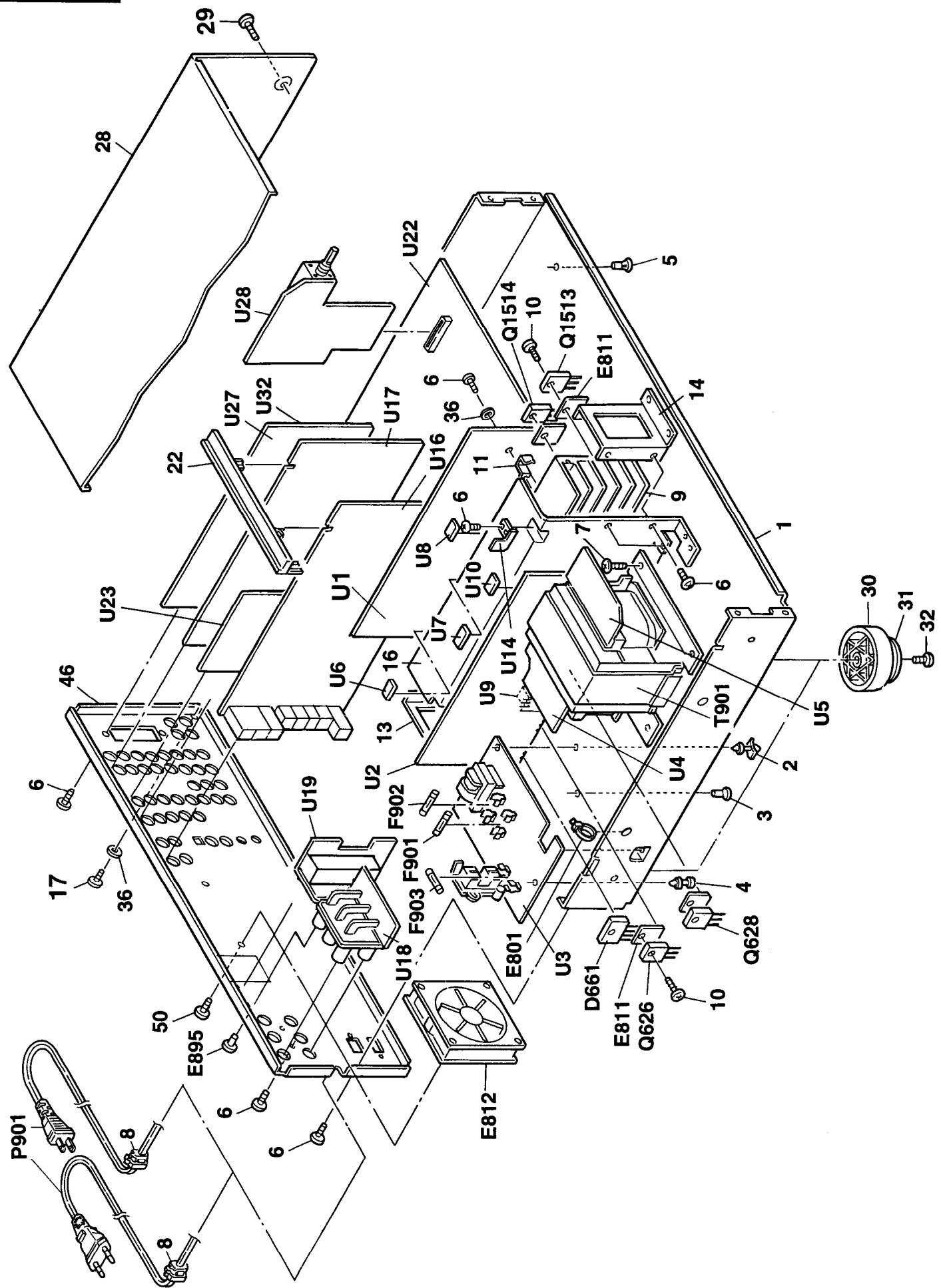
REF.NO.	PART NO.	DESCRIPTION	REF.NO.	PART NO.	DESCRIPTION
1	27100328C	Casss	47	28325497A	Knob, Power <P/T/W/A/R>
2	27190503A	KGILS-8RF,Holder	48	28325499A	Knob, Power <G>
3	27190428A	KGILS-10RF,Holder	49	27273164	Joint
4	27190802	KGPS-14RF,Holder	50	2714686A	Retainer POW <P/T/W/A/R>
5	27190813	KGPS-10RF,Holder	51	838150108	5TTB+10B,Self-tapping screw
6	838130088	3TTB+8B,Self-tapping screw	52	838430107	3TTB+10S(BC),Self-tapping screw <P/T/W/A/R>
7	830440089	#271,Cord, bushing	53	27212014	Front panel <D>
8	27300750	Heatsink	54	27212015	Front panel <P>
9	27160414	Heatsink	55	27212016A	Front panel <T/W/A/R>
10	801433	SSMSRW-SW-14PB(BC),Special screw	56	27212017A	Front panel <G>
11	27141681	Retainer PWF	57	28135244Y	Badge
13	27141721	Retainer, Rear	58	28135245Y	Badge <G>
14	27141720	Retainer, Front	59	281987778	Facet
16	27160413	Heatsink S	60	D661	RS804M, Diode
17	838230088	3TTB+8B(Ni),Nickel screw	61	22380273	Wire tie
22	27191050	Holder	62	E801	260208
23	27215303	Decorative frame 	63	E811	223024Y
	27215304	Decorative frame <G>	64	E812	24502307
24	2832542	Knob, Mode 	65	E895	880048
	2832544	Knob, Mode <G>	66	F901	252199
25	28191792A	Clear plate 	67	F902	252078
	28191793A	Clear plate <G>	68	F903	252075
26	29110050	Aluminum tape	69	P1701	2047272512
27	28140680	Cushion	70	P901	253244AMAR
28	28184738	Top cover 	71	253245MAR	AS-CEE, Power supply cord <P/T>
	28184739	Top cover <G>	72	253246KAW	AS-CEE,2,Power supply cord <W>
29	838430088	3TTB+8B(BC), Self-tapping screw 	73	253268HTT	AS-SA, Power supply cord <A>
	838230088	3TTB+8B(Ni),Nickel screw <G>	74	253274KAW	AS-CCEE, Power supply cord <R>
30	27175319A	Leg	75	Q1513	2201653,
31	28141332	Cushion	76	Q525	2201654,
32	831430088	3TTW+8B(BC), Self-tapping screw	77	Q526	2201655,
33	28325509	Knob, Volume 	78	Q625	2202842 or
	28325511	Knob, Volume <G>	79	Q626	2202843
34	28325405	Knob, Tonic 	80	Q1514	2201663
	28325407	Knob, Tonic <G>	81	Q527	2201664
35	28325500	Knob, Log 	82	Q528	2201665
	28325502	Knob, Log <G>	83	Q627	2202832
36	87643010	W3*10F(BC), Flat washer	84	Q628	* 2SA1962-O,Transistor
41	27111074	Front bracket <D/T/W/A/R>	85	T901	2301335
	27111075	Front bracket <P>	86	U1	NAAAF-6301-1A,Front and center channel power amplifier PC board assy <D>
	27122478	Front bracket <G>	87	1A776501-1A	NAAAF-6301-1B,Front and center channel power amplifier PC board assy <P/T>
42	838130088	3TTB+8B,Self-tapping screw	88	1A776501-1B	NAAAF-6301-1C,Front and center channel power amplifier PC board assy <W/R>
44	27191014A	Holder, Jack	89	1A776501-1C	NAAAF-6301-1D,Front and center channel power amplifier PC board assy <A>
46	27122477	Rear panel <D>	90	1A776501-1D	NAAAF-6302-1A,Surround amplifier PC board assy <D>
	27122478	Rear panel <P>	91	1A776502-1A	NAAAF-6302-1B,Surround amplifier PC board assy <P/T>
	27122479	Rear panel <T>	92	1A776502-1C	NAAAF-6302-1C,Power supply circuit PC board assy <W/R>
	27122480	Rear panel <W>	93	1A776502-1D	NAAAF-6302-1D,Power supply circuit PC board assy <A>
	27122481	Rear panel <A>	94	1A776503-1A	NAPS-6303-1A,Power supply circuit PC board assy <P/T>
	27122529	Rear panel <R>	95	1A776503-1C	NAPS-6303-1C,Power supply circuit PC board assy <W/R>
			96	1A776503-1D	NAPS-6303-1D,Power supply circuit PC board assy <A>

REF.NO.	PART NO.	REF.NO.	PART NO.	DESCRIPTION
U4	1A776504-1A 1A776504-1B 1A776504-1C	U24	1A776524-1A 1A776524-1B 1A776524-1C	NAETC-6304-1A,Transformer terminal PC board <D> NAETC-6304-1B,Transformer terminal PC board <P/T> NAETC-6304-1C,Transformer terminal PC board <W/R>
U5	1A776504-1D 1A776505-1A 1A776505-1B 1A776505-1C 1A776505-1D	U25	1A776524-1D 1A776525-1A 1A776525-1B 1A776525-1C 1A776525-1D	NAETC-6304-1D,Transformer terminal PC board <A> NAETC-6305-1A,Primary circuit PC board ass'y <D> NAETC-6305-1B,Primary circuit PC board ass'y <P/T> NAETC-6305-1C,Primary circuit PC board ass'y <W/R> NAETC-6305-1D,Primary circuit PC board ass'y <A>
U6	1A776506-1A 1A776506-1B 1A776506-1C 1A776506-1D	U26	1A776526-1A 1A776526-1B 1A776526-1C 1A776526-1D	NAETC-6306-1A, Thermal detector PC board ass'y <D> NAETC-6306-1B, Thermal detector PC board ass'y <P/T> NAETC-6306-1C, Thermal detector PC board ass'y <W/R> NAETC-6306-1D, Thermal detector PC board ass'y <A>
U7	1A776507-1A 1A776507-1B 1A776507-1C 1A776507-1D	U27	1A776527-1A 1A776527-1B 1A776527-1C 1A776527-1D	NAETC-6307-1A, Thermal detector PC board ass'y <D> NAETC-6307-1B, Thermal detector PC board ass'y <P/T> NAETC-6307-1C, Thermal detector PC board ass'y <W/R> NAETC-6307-1D, Thermal detector PC board ass'y <A>
U8	1A776508-1A 1A776508-1B 1A776508-1C 1A776508-1D	U28	1A776528-1A 1A776528-1B 1A776528-1C 1A776528-1D	NAETC-6308-1A, Thermal detector PC board ass'y <D> NAETC-6308-1B, Thermal detector PC board ass'y <P/T> NAETC-6308-1C, Thermal detector PC board ass'y <W/R> NAETC-6308-1D, Thermal detector PC board ass'y <A>
U9	1A776509-1A 1A776509-1B 1A776509-1C 1A776509-1D	U29	1A776529-1A 1A776529-1B 1A776529-1C 1A776529-1D	NAETC-6309-1A, Thermal detector PC board ass'y <D> NAETC-6309-1B, Thermal detector PC board ass'y <P/T> NAETC-6309-1C, Thermal detector PC board ass'y <W/R> NAETC-6309-1D, Thermal detector PC board ass'y <A>
U10	1A776510-1A 1A776510-1B 1A776510-1C 1A776510-1D	U30	1A776530-1A 1A776530-1B 1A776530-1C 1A776530-1D	NAETC-6310-1A, Thermal detector PC board ass'y <D> NAETC-6310-1B, Thermal detector PC board ass'y <P/T> NAETC-6310-1C, Thermal detector PC board ass'y <W/R> NAETC-6310-1D, Thermal detector PC board ass'y <A>
U11	1A776511-1B 1A776511-1C 1A776511-1D	U31	1A776531-1A 1A776531-1B 1A776531-1C 1A776531-1D	NASW-6311-1B,Power switch PC board ass'y <P/T> NASW-6311-1C,Power switch PC board ass'y <W/R> NASW-6311-1D,Power switch PC board ass'y <A>
U12	1A776511-1E 1A776511-1F 1A776511-1G 1A776511-1H	U32	1A776532-1A 1A776532-1B 1A776532-1C 1A776532-1D	NASW-6311-1E,Power switch PC board ass'y <W/R> NAETC-6311-1F,Power switch PC board ass'y <A> NAETC-6311-1G,Power switch PC board ass'y <P/T> NAETC-6311-1H,Power switch PC board ass'y <W/R>
U13	1A776514-1A 1A776514-1B 1A776514-1C 1A776514-1D	U33	1A776533-1A 1A776533-1B 1A776533-1C 1A776533-1D	NAETC-6314-1A,Thermal det. PC board ass'y <D> NAETC-6314-1B,Thermal det. PC board ass'y <P/T> NAETC-6314-1C,Thermal det. PC board ass'y <W/R> NAETC-6314-1D,Thermal det. PC board ass'y <A>
U14	1A776514-1E 1A776514-1F 1A776514-1G 1A776514-1H	U34	1A776534-1A 1A776534-1B 1A776534-1C 1A776534-1D	NAETC-6314-1E,Thermal det. PC board ass'y <D> NAETC-6314-1F,Thermal det. PC board ass'y <P/T> NAETC-6314-1G,Thermal det. PC board ass'y <W/R> NAETC-6314-1H,Thermal det. PC board ass'y <A>
U15	1A776516-1A 1A776516-1B	U35	1A776535-1A 1A776535-1B 1A776535-1C 1A776535-1D	NADG-6316-1A,Main circuit PC board ass'y <D> NADG-6316-1B,Main circuit PC board ass'y <P/T/W/A/R>
U16	1A776517-1A	U36	1A776536-1A 1A776536-1B 1A776536-1C 1A776536-1D	NAAAF-6317-1A,Preamplifier circuit PC board ass'y <D> NAAAF-6317-1B,Preamplifier circuit PC board ass'y <P/T/W/A/R>
U17	1A776517-1B	U37	1A776537-1A 1A776537-1B 1A776537-1C 1A776537-1D	NAETC-6318-1A,Front/center speaker terminal PC board ass'y <D> NAETC-6318-1B,Front/center speaker terminal PC board ass'y <P/T/W/A/R>
U18	1A776518-1A 1A776518-1B 1A776518-1C 1A776518-1D	U38	1A776538-1A 1A776538-1B 1A776538-1C 1A776538-1D	NAETC-6318-1A,Front/center speaker terminal PC board ass'y <P> NAETC-6318-1B,Front/center speaker terminal PC board ass'y <P>
U19	1A776519-1A 1A776519-1B	U39	1A776539-1A 1A776539-1B 1A776539-1C 1A776539-1D	NAETC-6319-1A,Rear/remote speaker terminal PC board ass'y <D> NAETC-6319-1B,Rear/remote speaker terminal PC board ass'y <P>
U20	1A776522-1A 1A776522-1B 1A776522-1C 1A776522-1D	U40	1A776540-1A 1A776540-1B 1A776540-1C 1A776540-1D	NAETC-6322-1A,Microprocessor circuit PC board ass'y <P> NAETC-6322-1B,Microprocessor circuit PC board ass'y <P> NAETC-6322-1C,Microprocessor circuit PC board ass'y <W/R> NAETC-6322-1D,Microprocessor circuit PC board ass'y <T/A>
U21	1A776523-1A 1A776523-1B 1A776523-1C 1A776523-1D	U41	1A776541-1A 1A776541-1B 1A776541-1C 1A776541-1D	NAVD-6323-1A,Composite video signal PC board ass'y <D> NAVD-6323-1B,Composite video signal PC board ass'y <W/R> NAVD-6323-1C,Composite video signal PC board ass'y <W/R> NAVD-6323-1D,Composite video signal PC board ass'y <T/A>

NOTE: <D>:120V model only
<P>:European model only
<A>:Asian model only
<W>:Worldwide model only
<R>:Chinese model only
<A>:Australian model only
:Black model only
<G>:Golden model only

NOTE: THE COMPONENTS IDENTIFIED BY MARK □ ARE CRITICAL FOR RISK OF FIRE AND ELECTRIC SHOCK. REPLACE ONLY WITH PART NUMBER SPECIFIED.

PARTS LIST**EXPLODED VIEW**



PARTS LIST

REF.NO.	PART NO.	DESCRIPTION	REF.NO.	PART NO.	DESCRIPTION
1	27190328C	Chassis	46	27122483	Rear panel <D>
2	27190503A	KGLS-8RF,Holder		27122484	Rear panel <P>
3	27190428A	KGLS-10RF,Holder		27122485	Rear panel <T>
4	27190802	KGPS-14RF,Holder		27122486	Rear panel <W>
5	27190813	KGPS-10RF,Holder		27122487	Rear panel <X>
6	838130088	3TTB+8B,Self-tapping screw		27122530	Rear panel <R>
7	830440089	4TTC+8C(BC),Self-tapping screw	47	28325497A	Knob, Power <P/T/W/A/R>
8	27390750	#2271,Cord, bushing		28325547A	Knob, Power <S>
9	27160414	Heatsink		28325499A	Knob, Power <G>
10	801433	3SMSW,SW+14B(BC),Special screw	48	27273164	Joint
11	27141681	Retainer PWB	49	27161686A	Retainer POW <P/T/W/A/R>
13	27141721	Retainer, Rear	50	838150108	5TTB+10S(BC),Self-tapping screw
14	27141720	Retainer, Front	51	838430107	3TTB+10S(BC),Self-tapping screw <P/T/W/A/R>
16	27160413	Heatsink S	52	272712019	Front panel <D>
17	838230088	3TTB+8S(NI),Nickel screw		272712020	Front panel <T>
22	27191050	Holder		27212021	Front panel <S>
23	27215303	Decorative frame 		27212022A	Front panel <T/W/A/R>
	27215305	Decorative frame <S>		27212023A	Front panel <G>
	27215304	Decorative frame <G>		27212020	Front panel <D>
24	28325442	Knob, Mode 	53	28135244Y	Badge <G/S>
	28325453	Knob, Mode <S>		28135245Y	Badge <G/S>
	28325444	Knob, Mode <G>	54	28198778	Facet
25	28191792A	Clear plate 	D661	22380038 or	RBV602, or
	28191793A	Clear plate <S/G>		22380274	RSW603M,Diode
26	29110050	Aluminum tape	E801	2620208	Wire tie
27	28140680	Cushion	E811	223024Y	△ Isolation sheet
28	28184738	Top cover 	E812	24502307	D09/T-24,TG 02(EX), Fan
	28184740	Top cover <S>	E895	8800048	Plastic rive <P/T/A>
	28184739	Top cover <G>	F901	252198	△ 8A-UL_Fuse <D/W/R>
	28184740	Top cover 	F902	252077	△ 4A-SE_EAK,Fuse <P/T/W/A/R>
29	838430088	3TTB+BB(BC), Self-tapping screw 	F903	252075	△ 2.5A-SE_EAK,Fuse <P/T>
	838230088	3TTB+8B(NI),Nickel screw <G>	P1701	2047272512	NCFC7-272512,Flexible flat cable
30	27175319A	Leg	P901	252344AMAR	△ AS-UC-#18, Power supply cord <D>
31	28141332	Cushion		2523245MAR	△ AS-CEE, Power supply cord <T>
32	831430088	3TTB+8S(BC),Self-tapping screw		2523246KAW	△ AS-CCE-2,Power supply cord <W>
33	28325539	Knob, Volume 		2523268HIT	△ AS-SAA,Power supply cord <A>
	28325540	Knob, Volume <S>		253274KAW	△ AS-CCEE, Power supply cord <R>
	28325541	Knob, Volume <G>	Q1513 or	2203063,	* 2SC5198-O.
34	28325405	Knob, Tone 	Q525	2203062,	* 2SC5198-R.
	28325474	Knob, Tone <S>		Q526	2202323,
	28325407	Knob, Tone <G>		Q625	2202326 or
35	28325500	Knob, Jog 		Q626	2202324
	28325538	Knob, Jog <S>		Q1514 or	* 2SC4468-Y,Transistor
	28325502	Knob, Jog <G>		Q527	2203052,
36	87643010	W3*10F(BC), Flat washer		Q528	2202313,
41	27111077	Front bracket <D/T/W/A/R>		Q627	2202316 or
	27111078	Front bracket <P>		Q628	2202314
	27111079	Front bracket <S>		T901	2301339
	27111079	Front bracket <G>			△ NPT-1342D, Power transformer <P/T>
42	838130088	3TTB+8B,Self-tapping screw		2301340	△ NPT-1342D, Power transformer <W/R>
44	27191014A	Holder,Jack	U1	IA778501-2A	NAAAF-6301-2A,Front and center channel power amplifier PC board ass'y <D>
				IA778501-2B	NAAAF-6301-2B,Front and center channel power amplifier PC board ass'y <W/R>
				IA778501-2C	NAAAF-6301-2C,Front and center channel power amplifier PC board ass'y <A>

REF.NO.	PART NO.	DESCRIPTION	REF.NO.	PART NO.	DESCRIPTION
U2	1A778502-A	NAAAF-6302-2A, Surround amplifier PC board ass'y <D>	U22	1A778522-A	NAAR-6322-2A, Microprocessor circuit PC board ass'y <D>
	1A778502-B	NAAAF-6302-2B, Surround amplifier PC board ass'y <P>		1A778522-B	NAAR-6322-2B, Microprocessor circuit PC board ass'y <P>
	1A778502-C	NAAF-6302-2C, Surround amplifier PC board ass'y <W/R>		1A778522-C	NAAR-6322-2C, Microprocessor circuit PC board ass'y <W/R>
	1A778502-D	NAAF-6302-2D, Surround amplifier PC board ass'y <A>		1A778522-2D	NAAR-6322-2D, Microprocessor circuit PC board ass'y <T/A>
U3	1A778503-A	NAPS-6303-2A, Power supply circuit PC board ass'y <D>	U23	1A778523-A	NAVD-6323-2A, Composite video signal PC board ass'y <D>
	1A778503-B	NAPS-6303-2B, Power supply circuit PC board ass'y <P/T>		1A778523-B	NAVD-6323-2B, Composite video signal PC board ass'y <P>
	1A778503-C	NAPS-6303-2C, Power supply circuit PC board ass'y <W/R>		1A778523-C	NAVD-6323-2C, Composite video signal PC board ass'y <W/R>
	1A778503-D	NAPS-6303-2D, Power supply circuit PC board ass'y <A>		1A778523-2D	NAVD-6323-2D, Composite video signal PC board ass'y <T/A>
U4	1A778504-A	NAETC-6304-2A, Transformer terminal PC board <D>	U26	1A778526-A	NADIS-6326-2A, Display circuit PC board ass'y <D>
	1A778504-B	NAETC-6304-2B, Transformer terminal PC board <P/T>		1A778526-B	NADIS-6326-2B, Display circuit PC board ass'y <P>
	1A778504-C	NAETC-6304-2C, Transformer terminal PC board <W/R>		1A778526-C	NADIS-6326-2C, Display circuit PC board ass'y <W/R>
	1A778504-D	NAETC-6304-2D, Transformer terminal PC board <A>		1A778526-2D	NADIS-6326-2D, Display circuit PC board ass'y <T/A>
U5	1A778505-A	NAETC-6305-2A, Primary circuit PC board ass'y <D>	U27	1A778527-A	NARF-6327-2A, Tuner circuit PC board ass'y <D>
	1A778505-B	NAETC-6305-2B, Primary circuit PC board ass'y <P/T>		1A778527-B	NARF-6327-2B, Tuner circuit PC board ass'y <P>
	1A778505-C	NAETC-6305-2C, Primary circuit PC board ass'y <W/R>		1A778527-C	NARF-6327-2C, Tuner circuit PC board ass'y <W/R>
	1A778505-D	NAETC-6305-2D, Primary circuit PC board ass'y <A>		1A778527-2D	NARF-6327-2D, Tuner circuit PC board ass'y <T/A>
U6	1A778506-A	NAETC-6306-2A, Thermal detector PC board ass'y <D>		1A778528-A	NAETC-6328-2A, Master volume PC board ass'y <D>
	1A778506-B	NAETC-6306-2B, Thermal detector PC board ass'y <W/R>		1A778528-B	NAETC-6328-2B, Master volume PC board ass'y <P>
	1A778506-C	NAETC-6306-2C, Thermal detector PC board ass'y <R>		1A778528-C	NAETC-6328-2C, Master volume PC board ass'y <W/R>
	1A778506-D	NAETC-6306-2D, Thermal detector PC board ass'y <A>		1A778528-2D	NAETC-6328-2D, Master volume PC board ass'y <T/A>
U7	1A778507-A	NAETC-6307-2A, Thermal detector PC board ass'y <D>	U29	1A778529-A	NAETC-6329-2A, Tone control PC board ass'y <D>
	1A778507-B	NAETC-6307-2B, Thermal detector PC board ass'y <P/T>		1A778529-B	NAETC-6329-2B, Tone control PC board ass'y <P>
	1A778507-C	NAETC-6307-2C, Thermal detector PC board ass'y <W/R>		1A778529-C	NAETC-6329-2C, Tone control PC board ass'y <W/R>
	1A778507-D	NAETC-6307-2D, Thermal detector PC board ass'y <A>		1A778529-2D	NAETC-6329-2D, Tone control PC board ass'y <T/A>
U8	1A778508-A	NAETC-6308-2A, Thermal detector PC board ass'y <D>	U31	1A778531-A	NAETC-6331-2A, Headphone terminal PC board ass'y <D>
	1A778508-B	NAETC-6308-2B, Thermal detector PC board ass'y <P/T>		1A778531-B	NAETC-6331-2B, Headphone terminal PC board ass'y <P>
	1A778508-C	NAETC-6308-2C, Thermal detector PC board ass'y <W/R>		1A778531-C	NAETC-6331-2C, Headphone terminal PC board ass'y <W/R>
	1A778508-D	NAETC-6308-2D, Thermal detector PC board ass'y <A>		1A778531-2D	NAETC-6331-2D, Headphone terminal PC board ass'y <T/A>
U9	1A778509-A	NAETC-6309-2A, Thermal detector PC board ass'y <D>	U32	1A778532-A	NAETC-6332-2A, Input terminal PC board ass'y <D>
	1A778509-B	NAETC-6309-2B, Thermal detector PC board ass'y <P/T>		1A778532-B	NAETC-6332-2B, Input terminal PC board ass'y <P>
	1A778509-C	NAETC-6309-2C, Thermal detector PC board ass'y <W/R>		1A778532-C	NAETC-6332-2C, Input terminal PC board ass'y <W/R>
	1A778509-D	NAETC-6309-2D, Thermal detector PC board ass'y <A>		1A778532-D	NAETC-6332-2D, Input terminal PC board ass'y <T/A>
U10	1A778510-A	NAETC-6310-2A, Thermal detector PC board ass'y <D>			
	1A778510-B	NAETC-6310-2B, Thermal detector PC board ass'y <P/T>			
	1A778510-C	NAETC-6310-2C, Thermal detector PC board ass'y <W/R>			
	1A778510-D	NAETC-6310-2D, Thermal detector PC board ass'y <A>			
U11	1A778511-B	NASW-6311-2B, Power switch PC board ass'y <P/T>			
	1A778511-C	NASW-6311-2C, Power switch PC board ass'y <W/R>			
	1A778511-D	NASW-6311-2D, Power switch PC board ass'y <A>			
U14	1A778514-A	NAETC-6314-2A, Thermal det. PC board ass'y <D>			
	1A778514-B	NAETC-6314-2B, Thermal det. PC board ass'y <P/T>			
	1A778514-C	NAETC-6314-2C, Thermal det. PC board ass'y <W/R>			
	1A778514-D	NAETC-6314-2D, Thermal det. PC board ass'y <A>			
U16	1A778516-A	NADG-6316-2A, Main circuit PC board ass'y <P/T/W/A/R>			
	1A778516-B	NADG-6316-2B, Main circuit PC board ass'y <P/T/W/A/R>			
	1A778517-A	NAAF-6317-2A, Preamplifier circuit PC board ass'y <D>			
	1A778517-B	NAAF-6317-2B, Preamplifier circuit PC board ass'y <P/T/W/A/R>			
U18	1A778518-A	NAETC-6318-2A, Front/center speaker terminal PC board ass'y <D>			
	1A778518-B	NAETC-6318-2B, Front/center speaker terminal PC board ass'y <P/T/W/A/R>			
U20	1A778520-A	NAETC-6320-2A, Rear/remote speaker terminal PC board ass'y <D>			
	1A778520-B	NAETC-6320-2B, Rear/remote speaker terminal PC board ass'y <P/T/W/A/R>			

NOTE: THE COMPONENTS IDENTIFIED BY MARK
ARE CRITICAL FOR RISK OF FIRE AND
ELECTRIC SHOCK. REPLACE ONLY WITH
PART NUMBER SPECIFIED.

DISASSEMBLING PROCEDURES

1. Top Cover

Remove four screws holding the top cover and the chassis.
Remove three screws holding the top cover and the rear panel.

2. Front Panel

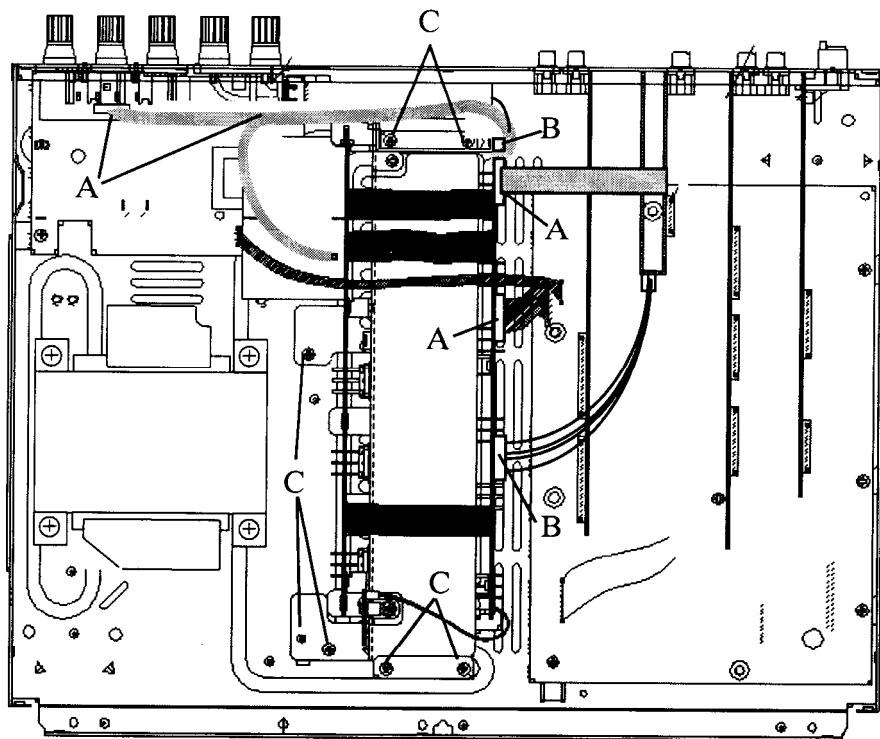
Remove the top cover.
Remove MASTER VOLUME, BASS, and TREBLE knobs.
Remove three screws holding the front panel and the chassis.

3. SMART SCAN CONTROLLER Knob

Remove the top cover.
Push the knob by the screw driver etc. from the hole of Display PC board.

4. Power amplifier PC boards

Remove the top cover.
Remove the holder PCB.
Remove five lead wires A and two sockets B.
Remove seven screws C holding the heatsinks and the chassis.

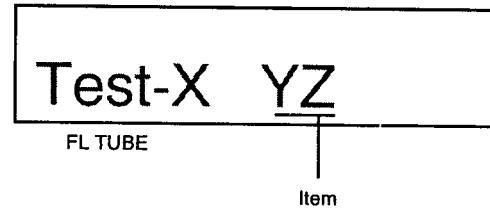


TEST MODE

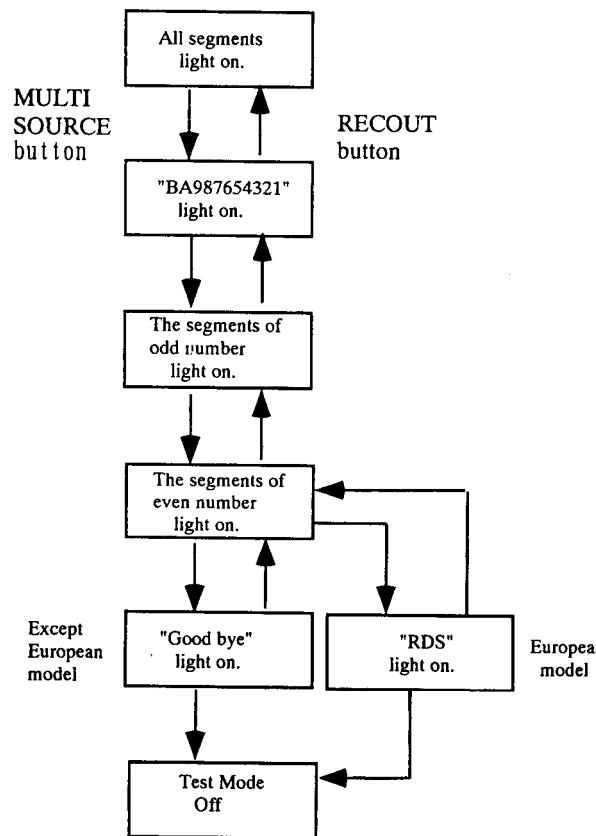
1. Turn POWER button on.
2. Press and hold down CD button, then press SPEAKERS-MAIN and SPEAKERS-REMOTE buttons at the same time.
3. During "TEST-" on the FL tube is displayed, press CD, VIDEO 1, VIDEO 2, or VIDEO 3 button to set the unit to the test mode shown below.
4. Press MULTI SOURCE or RECOUNT button to select the test item.

Button Operation in the Test Mode

Button Operation	Test Mode
CD	TEST-0
VIDEO 1	TEST-1
VIDEO 2	TEST-2
VIDEO 3	TEST-3
MULTI SOURCE	UP of item
RECOUNT	DOWN of item



TEST-0



1. Confirmation of protection circuit

1-1. Confirmation of operation of speaker relay

Confirm that the speaker relay turns ON approximate. 5 seconds after the power switch is turned ON.

Confirm that the speaker relay turns OFF approximate. 0.5 seconds after the power switch is turned OFF.

1-2. Confirmation of DC detection circuit

Set the unit to "Test-1 01".

Apply DC 1.5~3V to MULTI CHANNEL INPUT terminals with no load.

Confirm that the speaker relay turns OFF.

Apply DC -1.5~3V to MULTI CHANNEL INPUT terminals with no load.

Confirm that the speaker relay turns OFF.

1-3. Confirmation of Current detection circuit

Set the unit to "Test-1 01".

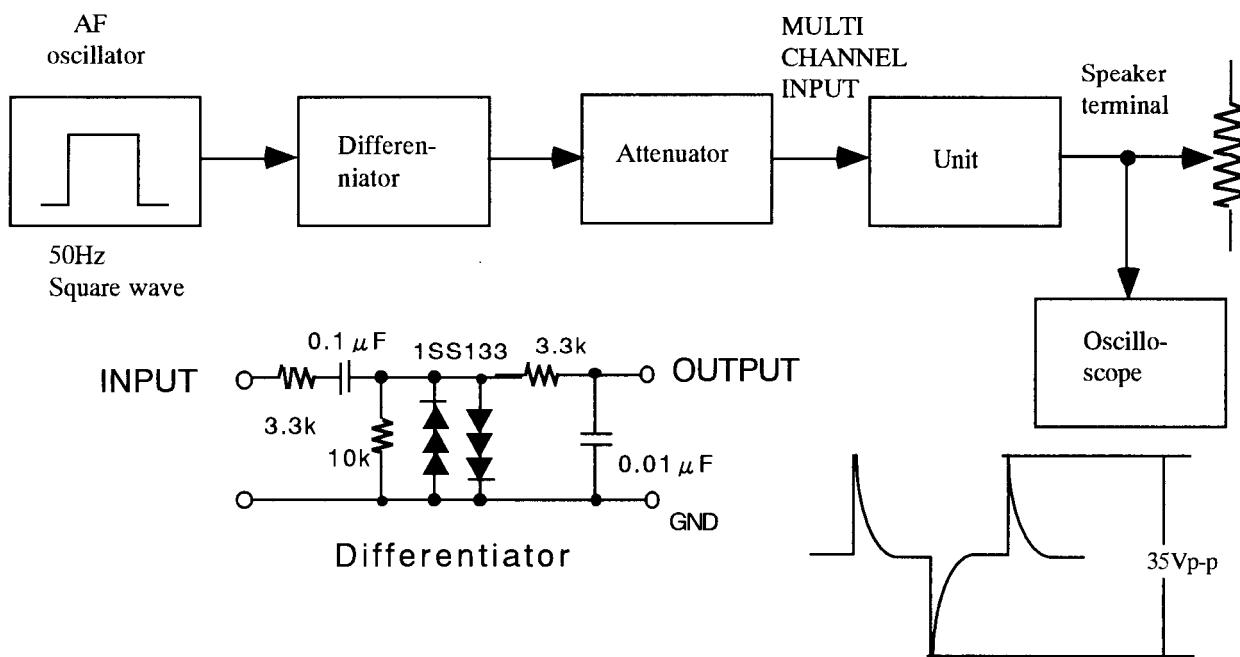
Connect the instrument shown below with no load.

Apply the 50Hz square signal to a terminal of MULTI CHANNEL INPUT.

Adjust the attenuator or Volume so that the output level becomes 35V p-p.

Confirm that the speaker relay does not turn OFF when a 3.0 ohm load is connected.

Confirm that the speaker relay turns OFF when a 1.5 ohm load is connected.



1-4. Confirmation of fan operation

Set the unit to "Test-1 01".

Apply the sine wave signal (1kHz, -30dB) to MULTI CHANNEL INPUT terminal except SUBWOOFER with no load.

Confirm that the fan operates after few seconds.

SERVICE PROCEDURES

1. Replacing the fuses

 This symbol located near the fuse indicates that the fuse used is fast operating type. For continued protection against fire hazard, replace with same type fuse. For fuse rating refer to the marking adjacent to the symbol.

 Ce symbole indique que le fusible utilise est a rapide. Pour une protection permanente, n'utiliser que des fusibles de même type. Ce dernier est indiqué la qu le présent symbol est apposé.

CIRCUIT NO. PART NO. DESCRIPTION

F901	252199	△ 10A-UL, Fuse <D/W/R>, TX-DS656
F902	252078	△ 5A-SE-EAK, Fuse <P/T/W/A/R>, TX-DS656
F901	252198	△ 8A-UL, Fuse <D/W/R>, TX-DS555
F902	252077	△ 4A-SE-EAK, Fuse <P/T/W/A/R>, TX-DS555
F903	252075	△ 2.5A-SE-EAK, Fuse <P/T>

NOTE: <D>:120V model only
 <P>:European model only
 <T>:Asian model only
 <W>:Worldwide model only
 <R>:Chinese model only
 <A>:Australian model only

2. To Initialize the unit

This device employs a microprocessor to perform various functions and operations. If interference generated by an external power supply, radio wave, or other electrical source results in accident which causes the specified operations and functions to operate abnormally.

To perform a result, please follow the procedure below.

120V model

1. Press and hold down the CD button, then press the POWER button.
2. After "clear" is displayed, the preset memory and each mode stored in the memory, such as surround, are initialized and will return to the factory settings.

other models

1. Press and hold down the CD button, then press the SYSTEM button.
2. After "clear" is displayed, the preset memory and each mode stored in the memory, such as surround, are initialized and will return to the factory settings.

3. Safety-check out

(Only U.S.A. model)

After correcting the original service problem, perform the following safety check before releasing the set to the customer. Connect the insulating-resistance tester between the plug of power supply cord and the screw on the back panel.

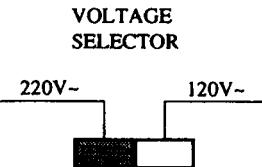
Specifications: 3.3 Mohm±10% at 500V.

4. Change of voltage

Worldwide models are equipment with a voltage selector to conform with local power supplies. This switch is located on the back panel.

Be sure to set this switch to match the voltage of the power supply in your area before turning the power switch on.

This switch is set to 220V at the factory. Voltage is changed by sliding the groove in the switch with the screwdriver to the right or left. Confirm that the switch has been moved all the way to the right or left before turning the power switch on.



5. Memory preservation

This unit does not require memory preservation batteries.

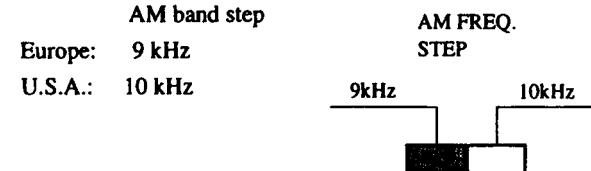
A built-in memory power back-up system preserves contents of the memory during power failures and even when the unit is unplugged.

The unit must be plugged in and the power switch turned on and off once in order to charge the back-up system. Note that since this is not a permanent memory, the power switch must be turned on and off a few times each month to keep the back-up system operative.

The period of the time during which memory contents are preserved after power has last been turned off varies depending on climate and placement of the unit. On the average, memory contents are protected over a period of 3 to 4 weeks (a minimum of 2 weeks) after the last time power has been turned off. This period is shortened when the unit is exposed to very high humidity or used in an area with an extremely humid climate.

6. Setting the tuning step frequency

Worldwide models are equipped with a step band selector switch. This switch is located on the back panel. This switch is set to 9 kHz at the factory, but may have to be reset to 10 kHz depending on the area where the unit is used.

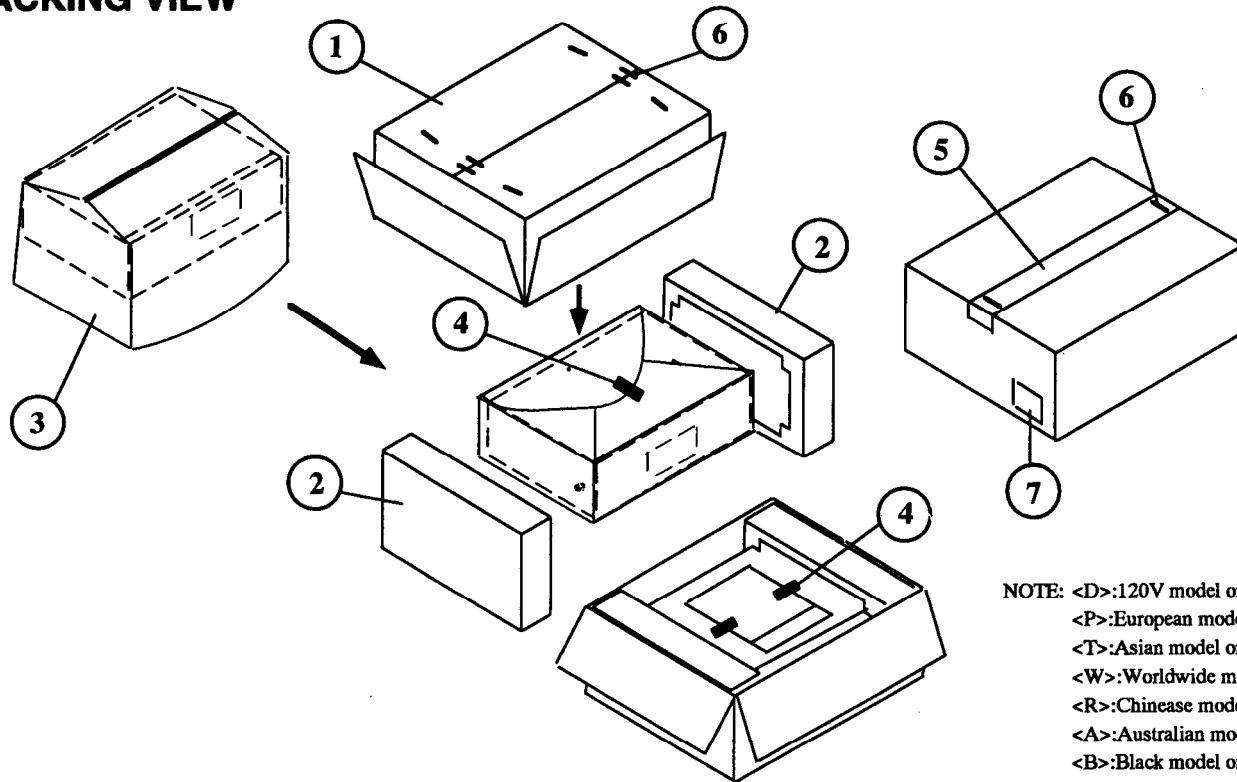


7. Changing the band step

With the exception of the worldwide models, a tuning step selector switch is not provided. When you change the band step, change the parts as shown below.

	To 10kHz	To 9 kHz
R1704	No connection	10k
R1705	10 kohm	open
R1710	10 kohm	open
J1828	Shorted	open
J1762	Shorted	open

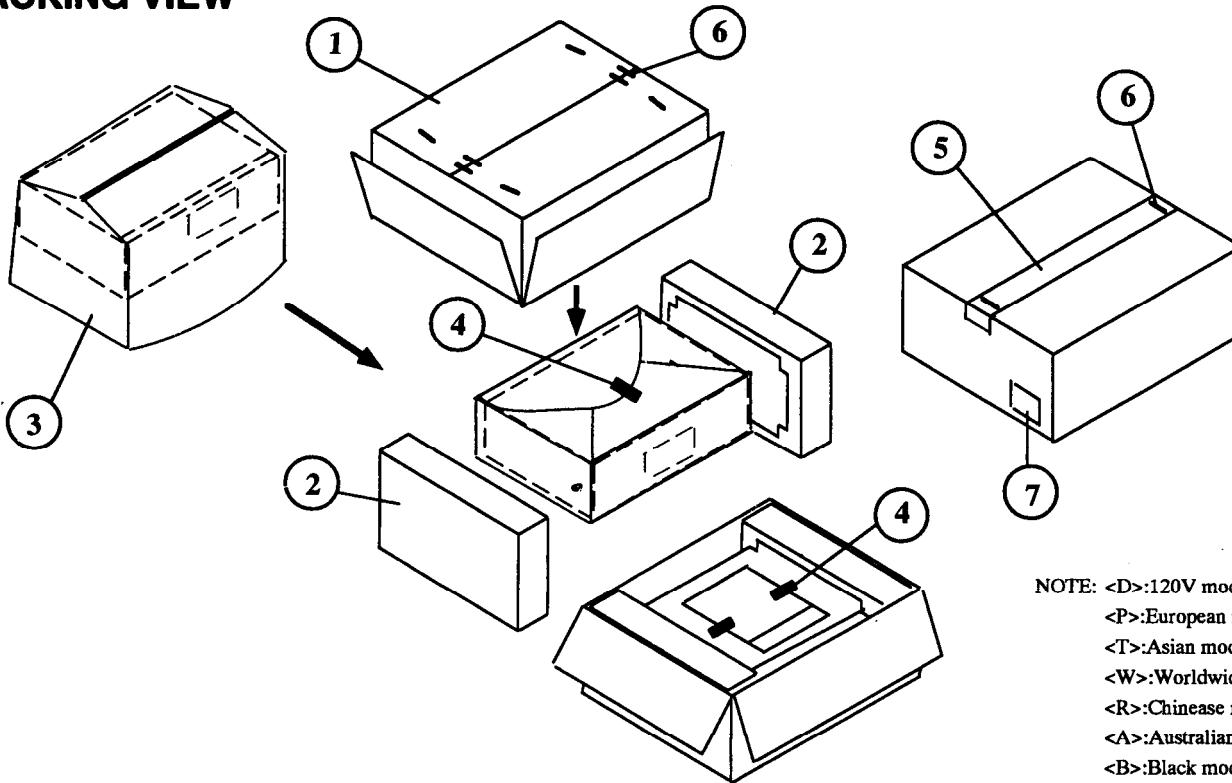
PACKING VIEW



NOTE: <D>:120V model only
 <P>:European model only
 <T>:Asian model only
 <W>:Worldwide model only
 <R>:Chinese model only
 <A>:Australian model only
 :Black model only
 <S>:Silver model only
 <G>:Golden model only

REF.NO.	PART NO.	DESCRIPTION	REF.NO.	PART NO.	DESCRIPTION
1	29053305	Carton box <D>	8	232140	NMA-3057, AM loop antenna
	29053306	Carton box <P>		24140374	RC-374M, remote controller
	29053308	Carton box <T/W/A/R>		25055018	CV-K-1, Conversion plug <W>
	29053307	Carton box <S>		25065462	YAE21-0237, FM antenna adapter <T/W/R/A>
	29053309	Carton box <G>		29100097-1AY	350*250, Poly bag
2	29091844	Pad ass'y		292111	FM antenna <D/T/A>
3	29100034-1AY	850*650, Poly bag		292112	FM antenna <P/W/R>
4	261504	Paper tape		29342580	Instruction manual E
5	29110071	Adhesive tape		29342581	Instruction manual U3GDSW <P>
6	282301	Staple		29342582	Instruction manual U3FSI <P>
7	29362317	UPC label <D>		29342583	instruction manual <T/W/R>
	29362321	EAN label <P/T/W/A/R>		29358002K	Service station list <D>
	29362322	EAN label <S>		29365019B	Warranty card <D>
	29362323	EAN label <G>		3010054	UM-3, Battery

PACKING VIEW



NOTE: <D>:120V model only
 <P>:European model only
 <T>:Asian model only
 <W>:Worldwide model only
 <R>:Chinese model only
 <A>:Australian model only
 :Black model only
 <G>:Golden model only

REF.NO.	PART NO.	DESCRIPTION	REF.NO.	PART NO.	DESCRIPTION
1	29053301	Carton box <D>	8	232140	NMA-3057, AM loop antenna
	29053302	Carton box <P>		24140373	RC-373M, remote controller
	29053303	Carton box <T/W/A/R>		25055018	CV-K-1, Conversion plug <W>
	29053304	Carton box <G>		25065462	YAE21-0237, FM antenna adapter <T/W/R/A>
2	29091844	Pad ass'y		29100097-1AY	350*250, Styrene bag
3	29100034-1AY	850*650, Styrene bag		292111	FM antenna <D/T/A>
4	261504	Paper tape		292112	FM antenna <P/W/R>
5	29110071	Adhesive tape		29342576	Instruction manual E
6	282301	Staple		29342577	Instruction manual U3GDSW <P>
7	29362316	UPC label <D>		29342578	Instruction manual U3FSI <P>
	29362319	EAN label <P/T/W/A/R>		29342579	instruction manual <T/W/R>
	29362320	EAN label <G>		29358002K	Service station list <D>
				29365019B	Warranty card <D>
				3010054	UM-3, Battery

ONKYO CORPORATION

International Sales Div.: 31 Sankyo-bild. 3-8-5, Asakusabashi, Taito-ku, TOKYO 111, JAPAN
 TEL : 03-5820-5865 FAX : 03-5820-5869

ONKYO U.S.A. CORPORATION
 200 Williams Drive, Ramsey, N.J. 07446, U.S.A.
 TEL : 201-825-7950 FAX : 201-825-8150

ONKYO EUROPE ELECTRONICS GmbH
 Industriestrasse 18-20, 82110 Germering, GERMANY
 TEL : 089 84 93 20 FAX : 089 84 93 226

ONKYO FRANCE
 Immeuble Le Diamant, Domaine Technologique de Saclay, 4 Rue Rene Razel, 91892 SACLAY, FRANCE
 TEL : (1) 69 33 1400 FAX : (1) 69 41 35 84